



National Institute on Alcohol Abuse and Alcoholism
Division of Epidemiology and Prevention Research
Alcohol Epidemiologic Data System

SURVEILLANCE REPORT #66

APPARENT PER CAPITA ALCOHOL CONSUMPTION: NATIONAL, STATE, AND REGIONAL TRENDS, 1977–2002

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HIGHLIGHTS

This surveillance report on 1977–2002 apparent per capita alcohol consumption in the United States is the 18th in a series of consumption reports produced annually by the National Institute on Alcohol Abuse and Alcoholism (NIAAA). Findings are based on alcoholic beverage sales data, either collected directly by the Alcohol Epidemiologic Data System (AEDS) from the States or provided by beverage industry sources. Population data provided by the U.S. Census Bureau are used as denominators to calculate per capita rates.

The following are highlights from the current report, which updates consumption trends through 2002:

- United States per capita consumption of ethanol from all alcoholic beverages combined in 2002 was 2.20 gallons, representing a 0.9 percent increase from 2.18 gallons in 2001. The increase is due to the increase in per capita consumption of wine (from 0.31 to 0.33 gallons ethanol) and spirits (from 0.64 to 0.65 gallons ethanol), while per capita consumption remained unchanged for beer (1.23 gallons ethanol).
- Between 2001 and 2002, changes in overall per capita consumption of ethanol included increases in 40 states and the District of Columbia and decreases or no change in 10 states.
- Analysis of overall per capita alcohol consumption by census region between 2001 and 2002 indicated increases in the Northeast (1.9 percent), the Midwest (0.9 percent), and the South (1.4 percent), and a decrease in the West (0.4 percent).
- The Healthy People 2010 has set the national objective for reducing per capita alcohol consumption to no more than 2 gallons ethanol. To meet the 2010 objective, per capita alcohol consumption will need to decrease by 9.1 percent, or 1.2 percent per year from 2003 through 2010.

INTRODUCTION

This surveillance report on per capita consumption of alcohol in the United States is the 18th in a series of reports that examine alcohol consumption trends on a national, State, and regional basis. Like previous reports on per capita alcohol consumption, it is intended to provide updated alcohol information for policymakers, health care providers, researchers, and others concerned about alcohol issues.

Data presented in this report are related to one of the national objectives set in Healthy People 2010 (U.S. Department of Health and Human Services 2000) regarding per capita alcohol consumption. This objective aims to reduce the national per capita alcohol consumption level to no more than 2 gallons ethanol by 2010.

The current report updates 1977–2000 alcohol consumption trends (Nephew et al. 2003) with new data for 2001 and 2002. Data

are presented in three tables. The first table presents national data on trends in beer, wine, and spirits consumption, as well as on all alcoholic beverages combined. The second table presents data on alcohol consumption for individual States for 2001 and 2002. States also are ranked in deciles according to total ethanol consumption. The third table presents data on consumption trends for each type of beverage and all beverages combined for the Northeast, Midwest, South, and West regions defined by the U.S. Census Bureau.

DATA

Alcohol Consumption Data

AEDS makes every effort to obtain alcoholic beverage sales data from all States and the District of Columbia because sales data more accurately reflect actual consumption of alcoholic beverages than do production and shipments data from beverage industry sources. For 2001 and 2002 AEDS

received complete beverage sales and/or tax receipts reports for 2001 and 2002 from 35 States for beer, 33 States for wine, and 31 States for spirits.¹ For the remaining States and the District of Columbia, shipments data from beverage industry sources (Adams Beverage Group 2002a, b, c; 2003a, b, c) were used for the numerator to calculate per capita consumption. Although sales and tax receipt data tend to provide slightly lower per capita estimates (about .01 to .02 points per capita), the mixed use of data from sales and shipments sources appears to have little effect on overall trends in per capita alcohol consumption (Campbell et al. 1994).

Population Data

State population estimates for persons ages 14 and older were obtained from Internet releases by the U.S. Census Bureau (2004). These data are used as denominators to calculate the per capita consumption figures.

To make the trend data more precise, AEDS revises data published in previous reports when the Census Bureau makes major revisions to their population estimates. One such revision occurred in last year's report (Nephew et al. 2003). In that report, the 1990s population estimates used in the past were replaced with the reestimated intercensal population data that bridge the 1990 and 2000 censuses (U.S. Census Bureau 2002). Because the new population estimates were generally higher than the old estimates, this revision resulted in slight decreases in calculated per capita ethanol consumption for the 1990s (especially the later part of the decade). Although most of these changes are minor, one impact of the

revision is the change to the baseline number cited by Healthy People 2010 (U.S. Department of Health and Human Services 2000) to set the national health objective for reducing per capita alcohol consumption. The baseline year was 1997, the latest data year available at the time when the document was prepared. The revised data changed the 1997 baseline number from 2.18 to 2.14 gallons ethanol per capita. Therefore, readers should take this into consideration when assessing progress toward reaching the national health objective of 2 gallons ethanol per capita in 2010.

METHODS

Conversion of Ethanol Content

AEDS uses an estimate of average ethanol content in the alcoholic beverages to convert the gallons of sold or shipped beer, wine, and spirits into gallons of ethanol (pure alcohol) before calculating per capita consumption estimates. The ethanol conversion coefficients (ECC, i.e., proportion of pure alcohol for each beverage type) are 0.045 for beer, 0.129 for wine, and 0.411 for spirits (Doernberg and Stinson 1985).

The introduction of "light" beer, "light" wines, and coolers (both wine and spirits) may have slightly lowered the average ethanol content in some alcoholic beverages. For example, Kling (1991, 1989) suggests that there were decreases in the ethanol content of spirits during the 1980s. However, such decreases may be offset by the increase in sales of drinks with higher ethanol content, such as premium brand liquors, fortified wines, malt liquors, and locally produced beers and ales (microbrews). "Ice" beers and "dry" beers, for example, both have higher ethanol content than either premium or light beers (M. Shanken Communications, Inc. 1994). Therefore, any decrease in the average net ethanol content across all beverages has probably been minimal and not large enough to alter the trends in overall per capita consumption.

¹ The following 40 States provided alcoholic beverage sales data for beer, wine, and/or, spirits for 2001 and/or 2002: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Texas, Virginia, Wisconsin, Wyoming.

A recent study by Kerr and Greenfield (2003a, b) attempted to estimate State-specific ECC for beer. Using sources from the alcoholic beverage industry, they derived average State beer ethanol content for a given year based on three components of data: (1) the market shares of beer categories (such as ice beer, imports, premium, etc.); (2) the national market shares of leading brands in each category; and (3) brand-level ethanol contents. Their findings suggest that the average ethanol content of beer may have increased since 1995. AEDS is assessing this approach to ethanol content conversion and will address the issue in the next report.

Population Denominator

AEDS uses a population of persons ages 14 and older to calculate per capita consumption rates. Although age 14 is below the minimum legal age for the purchase of alcoholic beverages throughout the United States, most self-report surveys indicate that many 14-year-olds drink alcoholic beverages. For example, data from the NIAAA 2001–2002 National Epidemiologic Survey on Alcohol and Related Conditions indicate that 12.2 percent of current drinkers ages 18 and older in the United States began drinking at age 15 or younger (AEDS 2004). Results from the Monitoring the Future survey in 2000 (Johnston et al. 2003) indicate that 43.1 percent of eighth graders (13- to 14-year-olds) reported past-year use of alcohol (i.e., beyond a few sips).

Limitations

Individuals familiar with survey reports and other scientific literature often are accustomed to the presentation of significance tests, or confidence intervals, on any data comparisons or trends. However, because data presented in this report are based on total actual sales and/or shipments, no measures of statistical significance are provided. Nonetheless, it is important to note that these data are still only estimates and may be subject to reporting error.

In addition to ECC, many factors may result in inaccuracies in estimates of per capita alcohol consumption. For instance, per capita consumption estimates in some States can be

inflated by such factors as cross-border sales to buyers from neighboring States. Other factors include variation in State reporting practices for sales of alcoholic beverages; time-delay between State taxation records and actual consumption; exclusion of alcohol contained in medications and foods; unrecorded legal home production; and illicit production, importation, and sales. These factors are discussed in detail in the latest AEDS data reference manual (DRM) on per capita alcohol consumption (Nephew et al. 2004). The DRM can be ordered on NIAAA's Web site.

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Figure 1. Total per capita ethanol consumption, United States, 1935–2002.

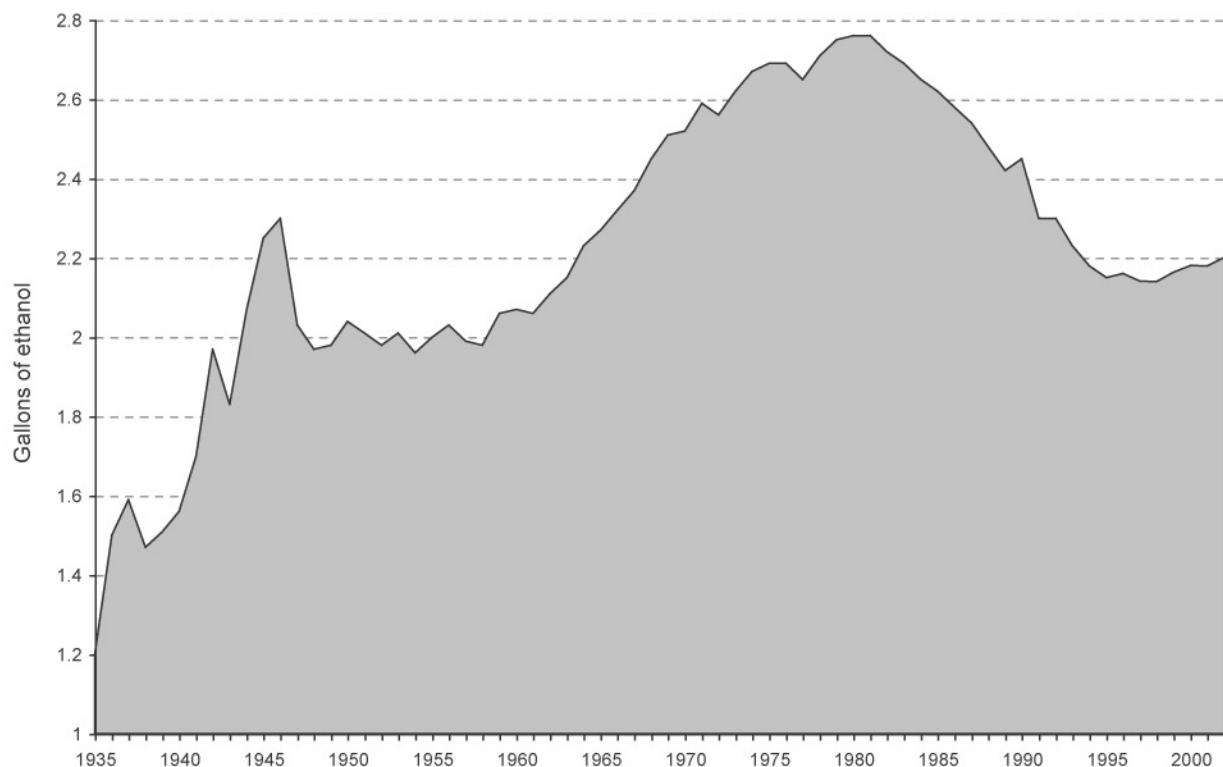


Figure 2. Per capita ethanol consumption by beverage type, United States, 1977–2002.

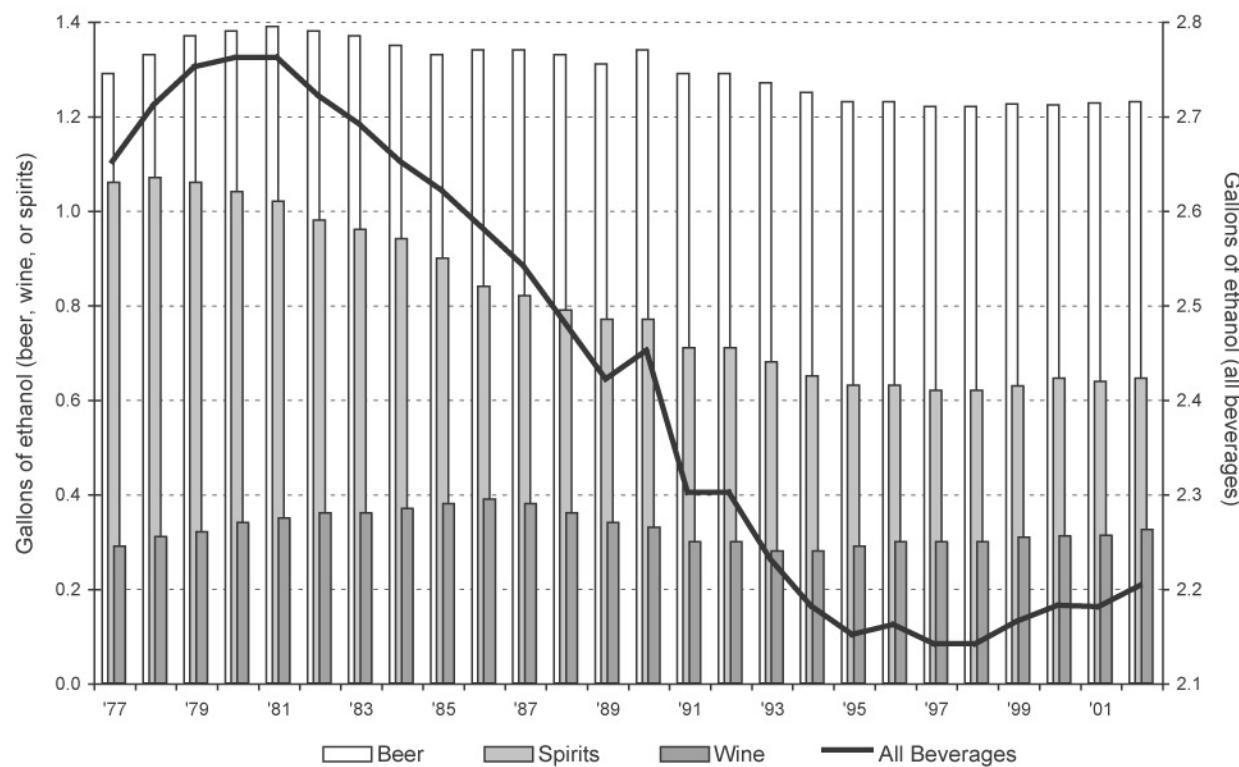


Figure 3. Percent change in per capita ethanol consumption, United States, 1977–2002.



Figure 4. Total per capita consumption in gallons of ethanol by State, United States, 2002.

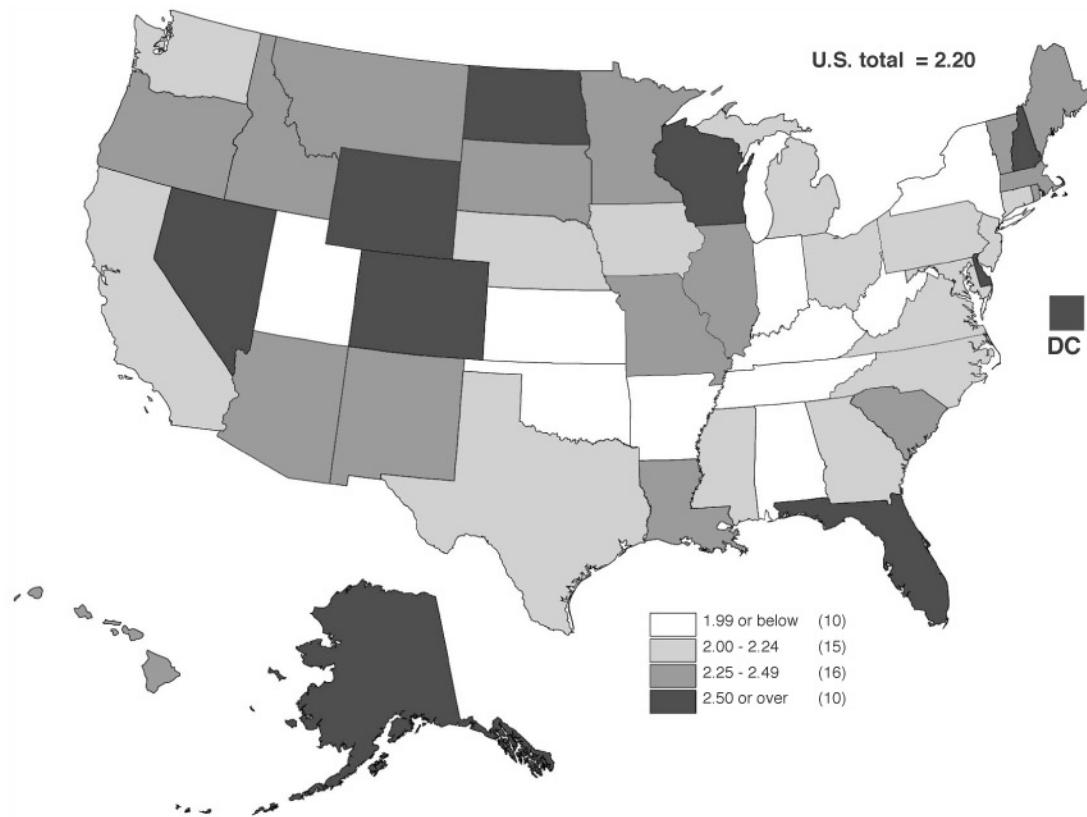


Figure 5. Percentage change in total per capita ethanol consumption by State, United States, 2000–2002.

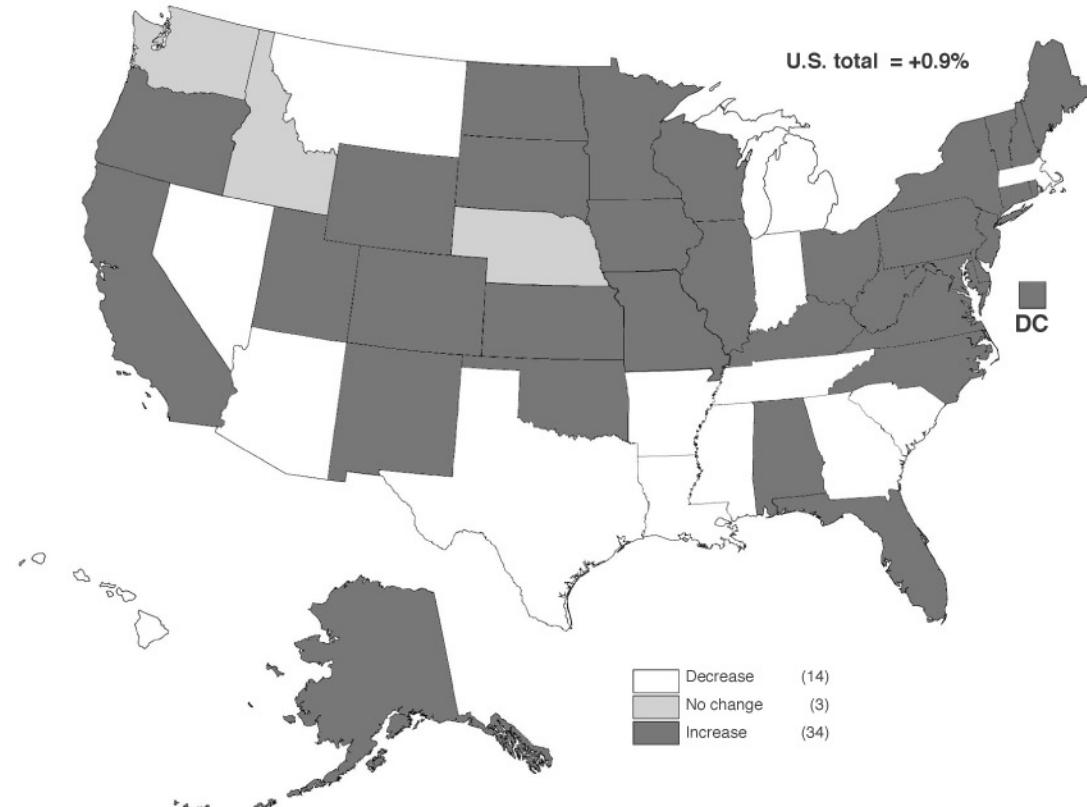


Figure 6. Total per capita ethanol consumption by region, United States, 1977–2002.

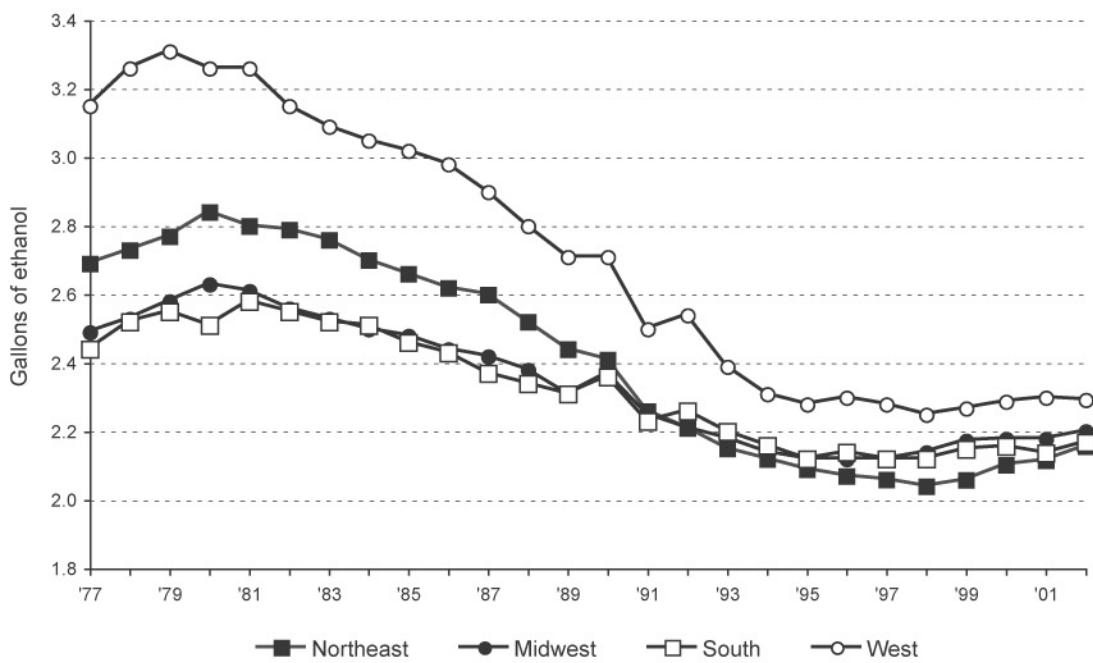


Figure 7. Per capita ethanol consumption from beer by region, United States, 1977–2002.

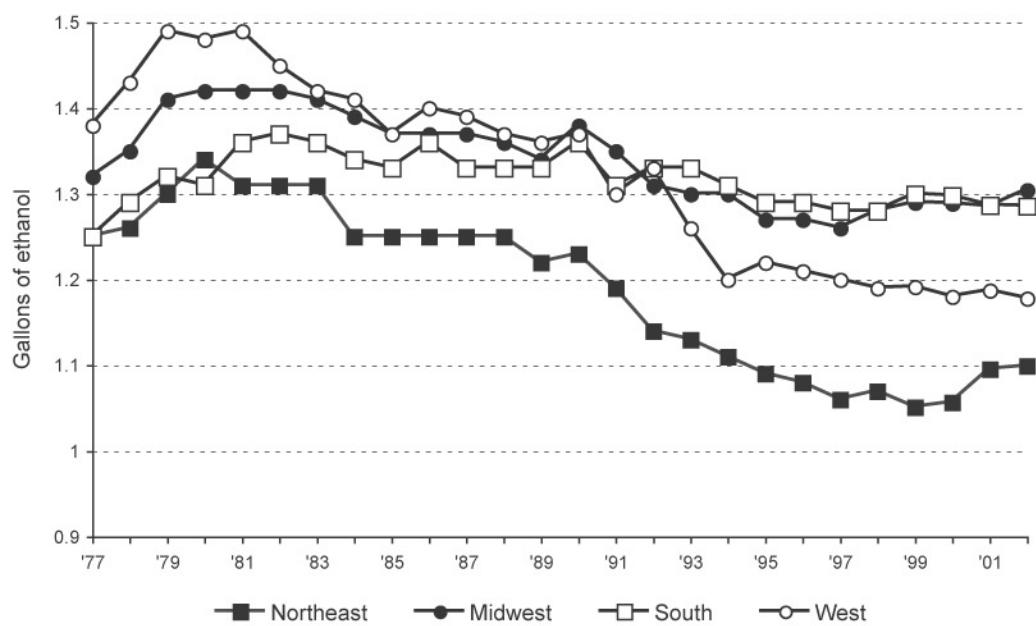


Figure 8. Per capita ethanol consumption from wine by region, United States, 1977–2002.

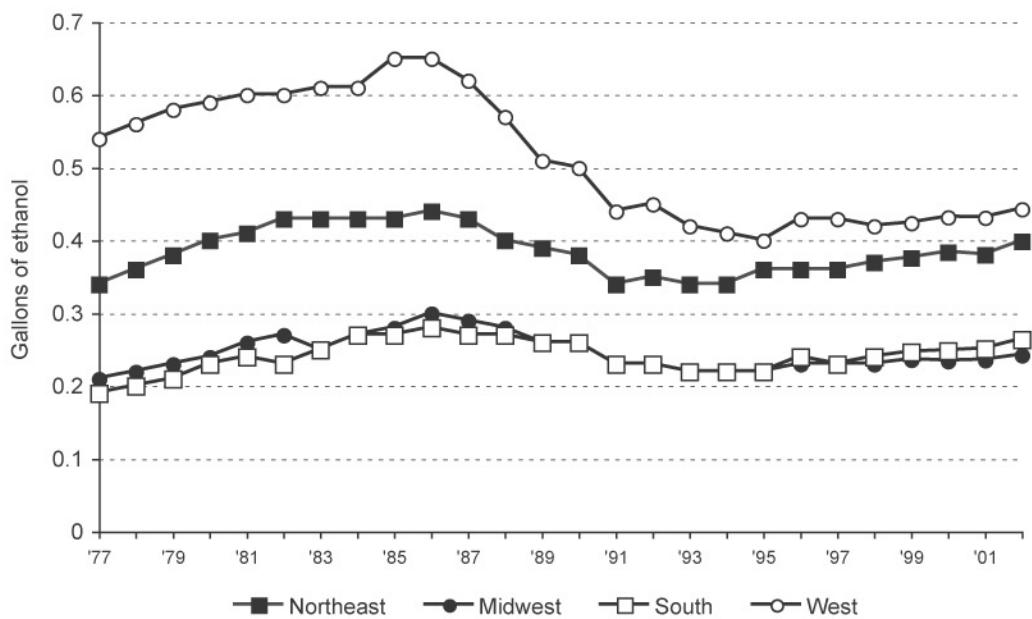


Figure 9. Per capita ethanol consumption from spirits by region, United States, 1977–2002.

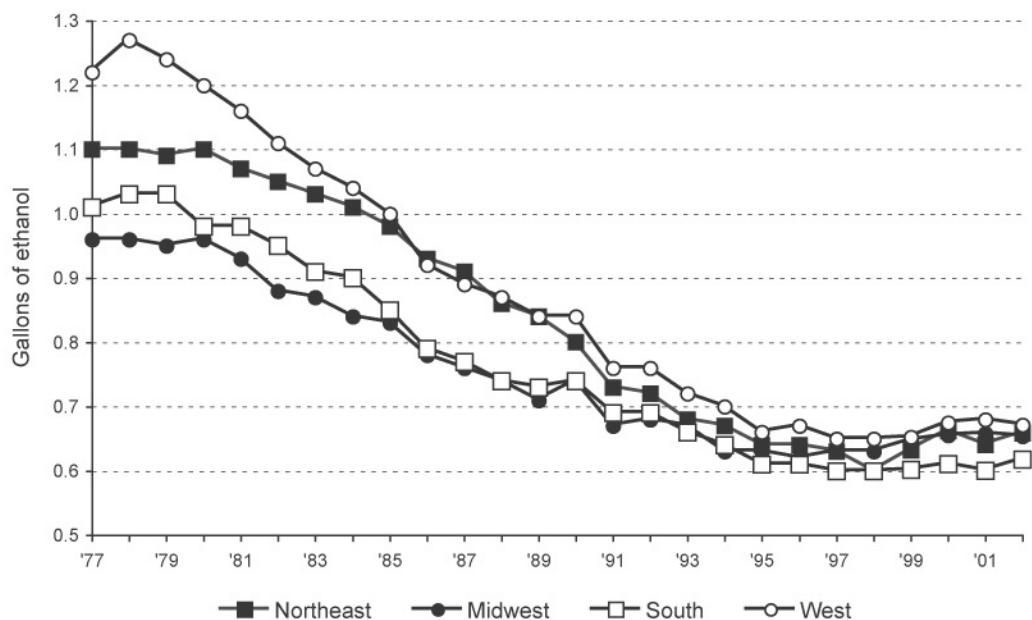


Table 1. Apparent per capita ethanol consumption, United States, 1850–2002. [Gallons of ethanol, based on population age 15 and older prior to 1970 and on population age 14 and older thereafter]

Year	Beer	Wine	Spirits	All beverages
2002	1.23	0.33	0.65	2.20
2001	1.23	0.31	0.64	2.18
2000	1.22	0.31	0.65	2.18
1999	1.23	0.31	0.63	2.16
1998	1.22	0.30	0.62	2.14
1997	1.22	0.30	0.62	2.14
1996	1.23	0.30	0.63	2.16
1995	1.23	0.29	0.63	2.15
1994	1.25	0.28	0.65	2.18
1993	1.26	0.28	0.68	2.23
1992	1.29	0.30	0.71	2.30
1991	1.29	0.30	0.71	2.30
1990	1.34	0.33	0.77	2.45
1989	1.31	0.34	0.77	2.42
1988	1.33	0.36	0.79	2.48
1987	1.34	0.38	0.82	2.54
1986	1.34	0.39	0.84	2.58
1985	1.33	0.38	0.90	2.62
1984.....	1.35	0.37	0.94	2.65
1983	1.37	0.36	0.96	2.69
1982	1.38	0.36	0.98	2.72
1981	1.39	0.35	1.02	2.76
1980	1.38	0.34	1.04	2.76
1979	1.37	0.32	1.06	2.75
1978	1.33	0.31	1.07	2.71
1977	1.29	0.29	1.06	2.64
1976	1.27	0.32	1.10	2.69
1975	1.26	0.32	1.11	2.69
1974	1.25	0.31	1.11	2.67
1973	1.20	0.31	1.10	2.62
1972	1.17	0.30	1.09	2.56
1971	1.15	0.31	1.12	2.59
1970	1.14	0.27	1.11	2.52
1969	1.12	0.26	1.13	2.51
1968	1.09	0.26	1.10	2.45
1967	1.07	0.25	1.05	2.37
1966	1.06	0.24	1.02	2.32
1965	1.04	0.24	0.99	2.27
1964	1.04	0.24	0.95	2.23
1963	1.01	0.23	0.91	2.15
1962	0.99	0.22	0.90	2.11
1961	0.97	0.23	0.86	2.06
1960	0.99	0.22	0.86	2.07
1959	1.00	0.22	0.84	2.06
1958	0.96	0.22	0.80	1.98
1957	0.97	0.22	0.80	1.99
1956	1.00	0.22	0.81	2.03
1955	1.01	0.22	0.77	2.00
1954	1.01	0.21	0.74	1.96
1953	1.04	0.20	0.77	2.01
1952	1.04	0.21	0.73	1.98
1951	1.03	0.20	0.78	2.01
1950	1.04	0.23	0.77	2.04

Table 1. Apparent per capita ethanol consumption, United States, 1850–2000. [Gallons of ethanol, based on population age 15 and older prior to 1970 and on population age 14 and older thereafter] (Continued)

Year	Beer	Wine	Spirits	All beverages
1949.....	1.06	0.22	0.70	1.98
1948.....	1.07	0.20	0.70	1.97
1947.....	1.11	0.16	0.76	2.03
1946.....	1.07	0.24	0.99	2.30
1945.....	1.17	0.20	0.88	2.25
1944.....	1.13	0.18	0.76	2.07
1943.....	1.00	0.17	0.66	1.83
1942.....	0.90	0.22	0.85	1.97
1941.....	0.81	0.18	0.71	1.70
1940.....	0.73	0.16	0.67	1.56
1939.....	0.75	0.14	0.62	1.51
1938.....	0.75	0.13	0.59	1.47
1937.....	0.82	0.13	0.64	1.59
1936.....	0.79	0.12	0.59	1.50
1935.....	0.68	0.09	0.43	1.20
1934.....	0.61	0.07	0.29	0.97
(Prohibition)				
1916–1919.....	1.08	0.12	0.76	1.96
1911–1915.....	1.48	0.14	0.94	2.56
1906–1910.....	1.47	0.17	0.96	2.60
1901–1905.....	1.31	0.13	0.95	2.39
1896–1900.....	1.19	0.10	0.77	2.06
1891–1895.....	1.17	0.11	0.95	2.23
1881–1890.....	0.90	0.14	0.95	1.99
1871–1880.....	0.56	0.14	1.02	1.72
1870.....	0.44	0.10	1.53	2.07
1860.....	0.27	0.10	2.16	2.53
1850.....	0.14	0.08	1.88	2.10

Note: Data prior to 1977 are from: Hyman, M.; Zimmerman, M.; Gurioli, C.; and Heilrich, A. *Drinkers, Drinking and Alcohol-Related Mortality and Hospitalizations: A Statistical Compendium, 1980 edition*. New Brunswick, NJ: Rutgers University, 1980.

Table 2a. Apparent alcohol consumption for States, census regions, and the United States, 2001. [Volume and ethanol in thousands of gallons, per capita ethanol consumption in gallons, based on population age 14 and older]

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
Alabama.....	92,893	4,180	1.16	4,787	618	0.17	4,632	1,904	0.53	6,701	1.86	9
Alaska.....	14,513	653	1.34	1,521	196	0.40	1,150	473	0.97	1,322	2.71	2
Arizona.....	136,237	6,131	1.47	10,606	1,368	0.33	7,115	2,924	0.70	10,423	2.50	3
Arkansas.....	51,075	2,298	1.06	2,146	277	0.13	2,808	1,154	0.53	3,729	1.72	10
California.....	652,950	29,383	1.08	100,817	13,005	0.48	42,063	17,288	0.64	59,676	2.20	6
Colorado.....	111,768	5,030	1.42	11,171	1,441	0.41	8,303	3,413	0.96	9,883	2.79	1
Connecticut.....	58,512	2,633	0.95	10,756	1,387	0.50	4,999	2,055	0.74	6,075	2.19	6
Delaware.....	19,820	892	1.38	2,444	315	0.49	1,669	686	1.06	1,893	2.93	1
Dist. of Columb.	14,288	643	1.33	3,064	395	0.82	1,712	704	1.46	1,742	3.61	1
Florida.....	396,235	17,831	1.33	42,024	5,421	0.40	26,896	11,054	0.82	34,306	2.56	2
Georgia.....	175,725	7,908	1.19	13,290	1,714	0.26	10,532	4,329	0.65	13,951	2.10	7
Hawaii.....	28,715	1,292	1.30	2,972	383	0.38	1,452	597	0.60	2,273	2.28	5
Idaho.....	26,163	1,177	1.14	5,088	656	0.63	1,328	546	0.53	2,379	2.30	5
Illinois.....	282,115	12,695	1.27	24,875	3,209	0.32	16,546	6,800	0.68	22,704	2.27	5
Indiana.....	124,903	5,621	1.15	7,402	955	0.20	7,396	3,040	0.62	9,615	1.97	9
Iowa.....	72,040	3,242	1.36	2,362	305	0.13	2,891	1,188	0.50	4,735	1.98	8
Kansas.....	53,755	2,419	1.12	2,436	314	0.15	2,778	1,142	0.53	3,875	1.79	9
Kentucky.....	76,460	3,441	1.04	3,126	403	0.12	3,712	1,526	0.46	5,370	1.63	10
Louisiana.....	117,788	5,300	1.49	6,357	820	0.23	5,936	2,440	0.69	8,560	2.41	3
Maine.....	28,328	1,275	1.20	3,062	395	0.37	1,800	740	0.69	2,410	2.26	5
Maryland.....	101,436	4,565	1.06	10,070	1,299	0.30	7,899	3,247	0.75	9,110	2.11	7
Massachusetts.....	130,932	5,892	1.12	21,257	2,742	0.52	10,027	4,121	0.78	12,755	2.43	3
Michigan.....	211,181	9,503	1.19	14,739	1,901	0.24	13,228	5,437	0.68	16,841	2.10	7
Minnesota.....	111,173	5,003	1.25	8,206	1,059	0.26	8,539	3,509	0.87	9,571	2.38	4
Mississippi.....	70,287	3,163	1.39	1,940	250	0.11	3,327	1,367	0.60	4,781	2.11	7
Missouri.....	135,846	6,113	1.34	8,270	1,067	0.23	7,427	3,052	0.67	10,232	2.25	6
Montana.....	25,882	1,165	1.57	1,740	225	0.30	1,222	502	0.68	1,892	2.55	2
Nebraska.....	43,795	1,971	1.43	1,737	224	0.16	2,026	833	0.60	3,027	2.19	6
Nevada.....	66,407	2,988	1.81	7,713	995	0.60	4,933	2,028	1.22	6,011	3.63	1
New Hampshire	39,520	1,778	1.74	5,169	667	0.65	4,009	1,648	1.61	4,093	4.00	1

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 2a. Apparent alcohol consumption for States, census regions, and the United States, 2001. [Volume and ethanol in thousands of gallons, per capita ethanol consumption in gallons, based on population age 14 and older] (Continued)

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
New Jersey	149,895	6,745	0.99	24,918	3,214	0.47	12,414	5,102	0.75	15,062	2.20	6
New Mexico.....	49,500	2,228	1.54	2,761	356	0.25	2,134	877	0.61	3,461	2.39	3
New York.....	328,286	14,773	0.96	44,046	5,682	0.37	21,118	8,680	0.56	29,134	1.88	9
North Carolina.	180,968	8,144	1.23	12,759	1,646	0.25	8,226	3,381	0.51	13,170	2.00	8
North Dakota...	16,982	764	1.46	604	78	0.15	1,025	421	0.80	1,263	2.41	3
Ohio	271,125	12,201	1.33	15,010	1,936	0.21	10,395	4,272	0.47	18,409	2.00	8
Oklahoma.....	68,594	3,087	1.11	2,550	329	0.12	2,918	1,199	0.43	4,615	1.65	10
Oregon.....	76,383	3,437	1.22	9,306	1,200	0.43	4,477	1,840	0.65	6,478	2.30	5
Pennsylvania...	295,988	13,319	1.32	15,363	1,982	0.20	11,786	4,844	0.48	20,145	2.00	8
Rhode Island...	22,914	1,031	1.19	3,104	400	0.46	1,478	607	0.70	2,039	2.35	4
South Carolina	105,525	4,749	1.45	5,501	710	0.22	5,198	2,136	0.65	7,595	2.32	4
South Dakota..	19,800	891	1.46	686	88	0.15	1,048	431	0.71	1,410	2.31	4
Tennessee	117,000	5,265	1.13	5,706	736	0.16	5,665	2,328	0.50	8,329	1.79	9
14 Texas	557,425	25,084	1.51	27,409	3,536	0.21	19,904	8,181	0.49	36,801	2.21	6
Utah	28,980	1,304	0.76	1,842	238	0.14	1,626	668	0.39	2,210	1.29	10
Vermont	14,490	652	1.29	1,867	241	0.47	776	319	0.63	1,212	2.39	4
Virginia.....	149,086	6,709	1.15	14,567	1,879	0.32	7,131	2,931	0.50	11,519	1.98	8
Washington....	115,425	5,194	1.08	14,926	1,925	0.40	7,676	3,155	0.65	10,274	2.13	7
West Virginia...	40,950	1,843	1.23	1,181	152	0.10	1,344	552	0.37	2,547	1.70	10
Wisconsin	149,332	6,720	1.53	8,860	1,143	0.26	10,140	4,168	0.95	12,031	2.74	2
Wyoming.....	12,808	576	1.43	671	87	0.22	856	352	0.88	1,015	2.52	2
<i>Regions</i>												
Northeast	1,068,864	48,099	1.10	129,542	16,711	0.38	68,408	28,116	0.64	92,925	2.12	
Midwest.....	1,492,048	67,142	1.29	95,185	12,279	0.24	83,438	34,293	0.66	113,714	2.18	
South.....	2,335,555	105,100	1.29	158,923	20,501	0.25	119,508	49,118	0.60	174,719	2.14	
West.....	1,345,732	60,558	1.19	171,134	22,076	0.43	84,337	34,663	0.68	117,297	2.30	
U.S. total	6,242,200	280,899	1.23	554,784	71,567	0.31	355,692	146,189	0.64	498,656	2.18	

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 2b. Apparent alcohol consumption for States, census regions, and the United States, 2002. [Volume and ethanol in thousands of gallons, per capita ethanol consumption in gallons, based on population age 14 and older]

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
Alabama.....	94,732	4,263	1.18	5,830	752	0.21	4,712	1,937	0.53	6,952	1.92	9
Alaska.....	15,008	675	1.36	1,640	212	0.43	1,308	538	1.08	1,425	2.87	1
Arizona.....	138,967	6,254	1.46	10,952	1,413	0.33	7,196	2,958	0.69	10,624	2.49	3
Arkansas.....	51,773	2,330	1.07	2,291	295	0.14	2,803	1,152	0.53	3,777	1.73	10
California.....	659,475	29,676	1.07	104,715	13,508	0.49	42,669	17,537	0.63	60,722	2.20	6
Colorado.....	108,599	4,887	1.35	10,918	1,408	0.39	7,880	3,239	0.90	9,534	2.64	2
Connecticut.....	59,385	2,672	0.95	10,947	1,412	0.50	5,089	2,092	0.74	6,176	2.20	6
Delaware.....	20,235	911	1.39	2,625	339	0.52	1,749	719	1.10	1,968	3.01	1
Dist. of Columb.	14,513	653	1.36	3,115	402	0.84	1,719	707	1.47	1,761	3.67	1
Florida.....	403,499	18,157	1.32	45,483	5,867	0.43	28,100	11,549	0.84	35,574	2.59	2
Georgia.....	181,125	8,151	1.20	13,552	1,748	0.26	10,777	4,429	0.65	14,328	2.12	7
Hawaii.....	28,542	1,284	1.27	3,043	393	0.39	1,527	627	0.62	2,304	2.28	5
Idaho.....	27,140	1,221	1.16	5,217	673	0.64	1,360	559	0.53	2,453	2.32	5
Illinois.....	284,308	12,794	1.27	26,047	3,360	0.33	15,828	6,505	0.65	22,659	2.25	5
Indiana.....	123,836	5,573	1.13	7,734	998	0.20	7,148	2,938	0.60	9,508	1.93	9
Iowa.....	73,300	3,298	1.37	2,562	330	0.14	2,971	1,221	0.51	4,850	2.02	8
Kansas.....	57,596	2,592	1.19	2,504	323	0.15	2,840	1,167	0.54	4,082	1.88	9
Kentucky.....	79,605	3,582	1.08	3,650	471	0.14	4,396	1,807	0.54	5,860	1.76	10
Louisiana.....	105,295	4,738	1.33	6,606	852	0.24	6,125	2,517	0.71	8,108	2.27	5
Maine.....	29,363	1,321	1.23	3,302	426	0.39	1,822	749	0.69	2,496	2.31	5
Maryland.....	102,737	4,623	1.05	10,411	1,343	0.31	8,044	3,306	0.75	9,272	2.11	7
Massachusetts.....	131,923	5,937	1.13	22,016	2,840	0.54	10,245	4,211	0.80	12,987	2.46	3
Michigan.....	208,634	9,389	1.16	14,243	1,837	0.23	13,408	5,511	0.68	16,737	2.07	7
Minnesota.....	112,735	5,073	1.25	8,725	1,126	0.28	8,627	3,546	0.87	9,744	2.40	3
Mississippi.....	70,948	3,193	1.40	2,033	262	0.12	3,367	1,384	0.61	4,839	2.12	7
Missouri.....	150,234	6,761	1.47	8,770	1,131	0.25	7,451	3,062	0.67	10,954	2.39	4
Montana.....	26,807	1,206	1.61	1,896	245	0.33	558	229	0.31	1,680	2.25	6
Nebraska.....	44,679	2,011	1.45	1,841	237	0.17	2,063	848	0.61	3,096	2.23	6
Nevada.....	66,969	3,014	1.75	8,067	1,041	0.61	5,170	2,125	1.24	6,179	3.60	1
New Hampshire	40,034	1,802	1.73	5,566	718	0.69	4,125	1,695	1.63	4,215	4.05	1

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 2b. Apparent alcohol consumption for States, census regions, and the United States, 2002. [Volume and ethanol in thousands of gallons, per capita ethanol consumption in gallons, based on population age 14 and older] (Continued)

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
New Jersey	150,428	6,769	0.98	26,277	3,390	0.49	12,947	5,321	0.77	15,480	2.24	6
New Mexico.....	49,871	2,244	1.53	2,991	386	0.26	2,182	897	0.61	3,527	2.40	3
New York.....	327,636	14,744	0.95	46,112	5,948	0.38	22,222	9,133	0.59	29,825	1.91	9
North Carolina.	186,075	8,373	1.25	13,885	1,791	0.27	8,212	3,375	0.50	13,540	2.02	8
North Dakota...	17,489	787	1.51	651	84	0.16	1,065	438	0.84	1,309	2.51	2
Ohio	274,140	12,336	1.34	15,168	1,957	0.21	10,517	4,322	0.47	18,615	2.02	8
Oklahoma.....	69,663	3,135	1.11	2,834	366	0.13	3,949	1,623	0.58	5,123	1.82	10
Oregon.....	77,511	3,488	1.22	10,171	1,312	0.46	4,606	1,893	0.66	6,693	2.34	4
Pennsylvania...	303,975	13,679	1.35	17,348	2,238	0.22	12,096	4,971	0.49	20,888	2.06	8
Rhode Island...	22,785	1,025	1.17	3,276	423	0.48	1,571	646	0.73	2,094	2.38	4
South Carolina	108,000	4,860	1.47	5,706	736	0.22	5,418	2,227	0.67	7,823	2.36	4
South Dakota..	20,475	921	1.51	742	96	0.16	1,047	430	0.70	1,447	2.37	4
Tennessee	121,950	5,488	1.17	6,332	817	0.17	5,863	2,410	0.51	8,714	1.85	9
16 Texas	563,150	25,342	1.50	28,643	3,695	0.22	20,534	8,439	0.50	37,476	2.21	6
Utah	29,925	1,347	0.78	1,935	250	0.14	1,666	685	0.39	2,281	1.31	10
Vermont	15,075	678	1.32	1,961	253	0.49	781	321	0.63	1,252	2.44	3
Virginia.....	151,121	6,800	1.15	15,455	1,994	0.34	7,366	3,027	0.51	11,822	2.00	8
Washington....	117,788	5,300	1.08	16,152	2,084	0.42	7,813	3,211	0.65	10,595	2.16	7
West Virginia...	42,075	1,893	1.26	1,194	154	0.10	1,386	570	0.38	2,617	1.74	10
Wisconsin	153,076	6,888	1.56	9,639	1,243	0.28	10,515	4,322	0.98	12,454	2.81	2
Wyoming	13,191	594	1.46	710	92	0.22	872	358	0.88	1,044	2.56	2
<i>Regions</i>												
Northeast	1,080,603	48,627	1.10	136,805	17,648	0.40	70,897	29,139	0.66	95,414	2.16	
Midwest.....	1,520,502	68,423	1.30	98,625	12,723	0.24	83,479	34,310	0.65	115,455	2.20	
South.....	2,366,496	106,492	1.29	169,644	21,884	0.26	124,520	51,178	0.62	179,554	2.17	
West.....	1,359,793	61,191	1.18	178,405	23,014	0.44	84,807	34,856	0.67	119,061	2.29	
U.S. total	6,327,394	284,733	1.23	583,479	75,269	0.33	363,704	149,482	0.65	509,484	2.20	

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002.
[Gallons of ethanol, based on population age 14 and older]

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
Alabama					
2002.....	1.18	0.21	0.53	1.92	9
2001.....	1.16	0.17	0.53	1.86	9
2000.....	1.19	0.18	0.51	1.88	9
1999.....	1.18	0.17	0.51	1.87	9
1998.....	1.16	0.17	0.51	1.85	9
1997.....	1.14	0.15	0.52	1.81	9
1996.....	1.17	0.15	0.53	1.86	9
1995.....	1.14	0.15	0.53	1.81	9
1994.....	1.16	0.17	0.54	1.87	9
1993.....	1.14	0.17	0.56	1.86	9
1992.....	1.02	0.19	0.59	1.79	10
1991.....	1.00	0.17	0.59	1.76	10
1990.....	1.12	0.18	0.61	1.92	9
1989.....	1.10	0.17	0.60	1.87	9
1988.....	1.10	0.18	0.61	1.89	9
1987.....	1.10	0.18	0.61	1.89	9
1986.....	1.09	0.18	0.64	1.90	9
1985.....	1.06	0.17	0.67	1.90	9
1984.....	1.02	0.19	0.69	1.90	10
1983.....	1.01	0.17	0.71	1.89	10
1982.....	1.00	0.18	0.72	1.89	10
1981.....	1.00	0.19	0.73	1.92	10
1980.....	0.96	0.16	0.74	1.86	10
1979.....	0.98	0.12	0.84	1.94	10
1978.....	0.98	0.12	0.88	1.97	9
1977.....	0.99	0.13	0.84	1.96	9
Alaska					
2002.....	1.36	0.43	1.08	2.87	1
2001.....	1.34	0.40	0.97	2.71	2
2000.....	1.35	0.37	0.92	2.63	2
1999.....	1.45	0.40	0.98	2.82	1
1998.....	1.37	0.39	0.98	2.74	1
1997.....	1.31	0.36	0.88	2.56	2
1996.....	1.31	0.38	0.94	2.63	2
1995.....	1.45	0.39	1.02	2.86	1
1994.....	1.53	0.40	1.10	3.03	1
1993.....	1.31	0.32	0.92	2.55	2
1992.....	1.53	0.41	1.08	3.02	1
1991.....	1.54	0.43	1.14	3.11	1
1990.....	1.62	0.46	1.25	3.33	1
1989.....	1.57	0.46	1.24	3.27	1
1988.....	1.60	0.49	1.23	3.32	1
1987.....	1.64	0.54	1.29	3.46	1
1986.....	1.68	0.56	1.27	3.51	1
1985.....	1.68	0.58	1.53	3.78	1
1984.....	1.73	0.58	1.56	3.86	1
1983.....	1.76	0.61	1.70	4.06	1
1982.....	1.75	0.56	1.74	4.05	1
1981.....	1.71	0.57	1.82	4.10	1
1980.....	1.55	0.50	1.70	3.76	1
1979.....	1.50	0.47	1.65	3.62	1
1978.....	1.39	0.45	1.68	3.52	2
1977.....	1.19	0.42	1.70	3.31	2
Arizona					
2002.....	1.46	0.33	0.69	2.49	3
2001.....	1.47	0.33	0.70	2.50	3
2000.....	1.48	0.31	0.71	2.50	3
1999.....	1.47	0.34	0.69	2.51	2
1998.....	1.44	0.32	0.68	2.44	2
1997.....	1.45	0.31	0.68	2.44	2
1996.....	1.52	0.33	0.73	2.58	2
1995.....	1.47	0.29	0.68	2.44	3
1994.....	1.52	0.29	0.70	2.50	2
1993.....	1.58	0.27	0.76	2.62	2
1992.....	1.58	0.31	0.80	2.69	2
1991.....	1.58	0.35	0.78	2.71	2
1990.....	1.59	0.37	0.80	2.77	3
1989.....	1.68	0.36	0.85	2.89	2
1988.....	1.64	0.42	0.88	2.94	2

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1987	1.67	0.46	0.86	2.99	2
1986	1.77	0.46	0.91	3.14	2
1985	1.67	0.46	1.00	3.12	2
1984	1.57	0.45	1.06	3.08	3
1983	1.62	0.44	1.00	3.06	3
1982	1.74	0.40	0.99	3.13	3
1981	1.78	0.42	1.01	3.22	3
1980	1.69	0.36	0.98	3.03	4
1979	1.86	0.39	1.17	3.42	2
1978	1.77	0.37	1.10	3.25	2
1977	1.70	0.34	1.05	3.10	3
Arkansas					
2002	1.07	0.14	0.53	1.73	10
2001	1.06	0.13	0.53	1.72	10
2000	1.09	0.12	0.53	1.74	10
1999	1.09	0.12	0.54	1.75	10
1998	1.10	0.11	0.51	1.73	10
1997	1.08	0.12	0.52	1.71	10
1996	1.10	0.12	0.53	1.75	9
1995	1.08	0.12	0.51	1.70	10
1994	1.06	0.13	0.46	1.65	10
1993	1.10	0.11	0.58	1.79	9
1992	1.13	0.12	0.65	1.90	9
1991	1.12	0.11	0.58	1.81	9
1990	1.12	0.13	0.61	1.86	9
1989	1.08	0.13	0.57	1.78	9
1988	1.07	0.14	0.53	1.74	10
1987	1.08	0.11	0.53	1.71	10
1986	1.06	0.09	0.48	1.63	10
1985	1.03	0.13	0.58	1.75	10
1984	1.02	0.12	0.64	1.78	10
1983	1.03	0.13	0.63	1.78	10
1982	1.03	0.12	0.63	1.78	10
1981	1.06	0.12	0.68	1.87	10
1980	1.00	0.12	0.69	1.81	10
1979	0.93	0.10	0.57	1.60	10
1978	0.97	0.11	0.73	1.82	10
1977	0.92	0.10	0.63	1.65	10
California					
2002	1.07	0.49	0.63	2.20	6
2001	1.08	0.48	0.64	2.20	6
2000	1.07	0.48	0.64	2.19	6
1999	1.10	0.46	0.62	2.18	6
1998	1.10	0.45	0.61	2.17	6
1997	1.12	0.50	0.62	2.24	5
1996	1.11	0.49	0.64	2.24	5
1995	1.14	0.45	0.64	2.23	4
1994	1.09	0.47	0.68	2.24	5
1993	1.17	0.48	0.69	2.35	4
1992	1.28	0.51	0.75	2.54	3
1991	1.22	0.49	0.75	2.46	4
1990	1.32	0.59	0.87	2.78	2
1989	1.31	0.61	0.87	2.79	2
1988	1.34	0.68	0.89	2.90	2
1987	1.36	0.74	0.93	3.03	2
1986	1.36	0.79	0.96	3.11	2
1985	1.32	0.78	1.02	3.12	2
1984	1.38	0.74	1.07	3.19	2
1983	1.37	0.75	1.11	3.23	2
1982	1.37	0.72	1.14	3.23	3
1981	1.43	0.72	1.21	3.36	2
1980	1.42	0.71	1.25	3.38	2
1979	1.42	0.70	1.28	3.40	2
1978	1.36	0.68	1.32	3.36	2
1977	1.31	0.67	1.28	3.25	2
Colorado					
2002	1.35	0.39	0.90	2.64	2
2001	1.42	0.41	0.96	2.79	1
2000	1.35	0.37	0.89	2.60	2
1999	1.33	0.37	0.75	2.45	3

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1998.....	1.33	0.37	0.83	2.53	2
1997.....	1.30	0.37	0.81	2.48	2
1996.....	1.36	0.37	0.84	2.57	2
1995.....	1.34	0.35	0.78	2.47	2
1994.....	1.36	0.35	0.84	2.55	2
1993.....	1.40	0.36	0.86	2.63	2
1992.....	1.34	0.36	0.81	2.52	3
1991.....	1.39	0.35	0.87	2.61	3
1990.....	1.35	0.29	0.75	2.39	6
1989.....	1.40	0.37	0.84	2.60	3
1988.....	1.42	0.39	0.91	2.72	3
1987.....	1.43	0.44	0.93	2.80	3
1986.....	1.47	0.46	0.94	2.87	3
1985.....	1.47	0.50	1.18	3.15	2
1984.....	1.51	0.46	1.12	3.09	2
1983.....	1.57	0.46	1.12	3.15	3
1982.....	1.64	0.46	1.18	3.28	2
1981.....	1.63	0.44	1.26	3.33	2
1980.....	1.57	0.47	1.31	3.35	2
1979.....	1.68	0.47	1.37	3.52	2
1978.....	1.64	0.47	1.43	3.54	1
1977.....	1.43	0.36	1.22	3.01	3
Connecticut					
2002.....	0.95	0.50	0.74	2.20	6
2001.....	0.95	0.50	0.74	2.19	6
2000.....	0.94	0.49	0.74	2.18	6
1999.....	0.94	0.49	0.75	2.18	6
1998.....	0.96	0.48	0.74	2.18	6
1997.....	0.95	0.48	0.74	2.17	6
1996.....	0.94	0.46	0.72	2.13	6
1995.....	0.97	0.49	0.77	2.22	5
1994.....	0.99	0.43	0.78	2.20	6
1993.....	0.96	0.44	0.80	2.20	6
1992.....	1.01	0.45	0.83	2.30	6
1991.....	1.03	0.43	0.84	2.29	6
1990.....	1.09	0.45	0.92	2.46	6
1989.....	1.09	0.47	0.98	2.54	4
1988.....	1.14	0.51	1.07	2.71	3
1987.....	1.15	0.52	1.12	2.79	3
1986.....	1.13	0.51	1.15	2.79	3
1985.....	1.14	0.50	1.20	2.84	3
1984.....	1.10	0.50	1.20	2.80	4
1983.....	1.10	0.49	1.23	2.82	4
1982.....	1.04	0.49	1.20	2.73	6
1981.....	1.05	0.44	1.18	2.67	6
1980.....	1.06	0.43	1.21	2.70	6
1979.....	1.13	0.40	1.20	2.72	5
1978.....	1.07	0.38	1.20	2.65	6
1977.....	1.05	0.35	1.21	2.61	6
Delaware					
2002.....	1.39	0.52	1.10	3.01	1
2001.....	1.38	0.49	1.06	2.93	1
2000.....	1.36	0.48	1.05	2.89	1
1999.....	1.40	0.48	1.03	2.90	1
1998.....	1.36	0.47	0.98	2.82	1
1997.....	1.37	0.46	0.99	2.81	1
1996.....	1.39	0.45	0.94	2.78	1
1995.....	1.30	0.40	0.92	2.62	2
1994.....	1.43	0.38	0.95	2.76	1
1993.....	1.46	0.35	0.95	2.76	1
1992.....	1.40	0.36	0.97	2.73	2
1991.....	1.40	0.35	0.95	2.70	2
1990.....	1.44	0.37	1.14	2.95	2
1989.....	1.40	0.38	1.13	2.91	2
1988.....	1.44	0.40	1.19	3.03	1
1987.....	1.44	0.42	1.22	3.08	2
1986.....	1.45	0.44	1.23	3.13	2
1985.....	1.46	0.41	1.30	3.16	2
1984.....	1.51	0.38	1.28	3.17	2
1983.....	1.53	0.35	1.34	3.22	2

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1982.....	1.53	0.34	1.36	3.23	3
1981.....	1.51	0.32	1.39	3.23	3
1980.....	1.45	0.29	1.38	3.12	3
1979.....	1.38	0.27	1.34	2.99	4
1978.....	1.33	0.25	1.33	2.91	4
1977.....	1.32	0.24	1.35	2.91	4
District of Columbia					
2002.....	1.36	0.84	1.47	3.67	1
2001.....	1.33	0.82	1.46	3.61	1
2000.....	1.35	0.70	1.48	3.53	1
1999.....	1.37	0.73	1.35	3.45	1
1998.....	1.37	0.73	1.44	3.55	1
1997.....	1.40	0.74	1.61	3.75	1
1996.....	1.42	0.74	1.47	3.63	1
1995.....	1.51	0.72	1.52	3.74	1
1994.....	1.50	0.74	1.52	3.76	1
1993.....	1.51	0.73	1.54	3.78	1
1992.....	1.61	0.70	1.74	4.05	1
1991.....	1.42	0.61	1.85	3.89	1
1990.....	1.42	0.76	1.96	4.14	1
1989.....	1.49	0.88	1.85	4.22	1
1988.....	1.47	0.99	2.02	4.48	1
1987.....	1.48	1.00	2.37	4.85	1
1986.....	1.52	1.04	2.19	4.75	1
1985.....	1.49	1.03	2.42	4.94	1
1984.....	1.56	1.11	2.68	5.34	1
1983.....	1.55	1.08	2.79	5.41	1
1982.....	1.48	1.00	2.91	5.39	1
1981.....	1.50	1.06	2.92	5.49	1
1980.....	1.49	0.99	2.94	5.42	1
1979.....	1.48	0.99	3.03	5.49	1
1978.....	1.43	0.94	3.14	5.51	1
1977.....	1.39	0.89	3.26	5.53	1
Florida					
2002.....	1.32	0.43	0.84	2.59	2
2001.....	1.33	0.40	0.82	2.56	2
2000.....	1.32	0.40	0.82	2.55	2
1999.....	1.33	0.40	0.80	2.53	2
1998.....	1.30	0.38	0.79	2.47	2
1997.....	1.34	0.37	0.80	2.51	2
1996.....	1.36	0.37	0.81	2.54	2
1995.....	1.34	0.35	0.82	2.50	2
1994.....	1.40	0.33	0.87	2.60	2
1993.....	1.44	0.33	0.92	2.68	2
1992.....	1.45	0.34	0.96	2.75	1
1991.....	1.43	0.34	0.92	2.69	2
1990.....	1.54	0.39	1.04	2.96	2
1989.....	1.51	0.39	1.00	2.90	2
1988.....	1.51	0.41	1.00	2.92	2
1987.....	1.51	0.42	1.03	2.95	2
1986.....	1.50	0.41	1.05	2.96	2
1985.....	1.47	0.41	1.16	3.04	3
1984.....	1.48	0.40	1.24	3.12	2
1983.....	1.56	0.40	1.23	3.19	2
1982.....	1.56	0.40	1.33	3.29	2
1981.....	1.55	0.39	1.38	3.31	3
1980.....	1.42	0.37	1.43	3.22	3
1979.....	1.47	0.37	1.51	3.34	2
1978.....	1.41	0.34	1.48	3.23	3
1977.....	1.33	0.33	1.47	3.13	2
Georgia					
2002.....	1.20	0.26	0.65	2.12	7
2001.....	1.19	0.26	0.65	2.10	7
2000.....	1.22	0.26	0.69	2.17	7
1999.....	1.23	0.27	0.69	2.20	6
1998.....	1.21	0.24	0.70	2.14	7
1997.....	1.19	0.25	0.70	2.14	6
1996.....	1.22	0.24	0.70	2.16	6
1995.....	1.20	0.22	0.71	2.13	6
1994.....	1.17	0.20	0.77	2.14	7

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1993.....	1.23	0.20	0.77	2.20	6
1992.....	1.22	0.21	0.79	2.23	7
1991.....	1.16	0.22	0.78	2.17	7
1990.....	1.22	0.23	0.86	2.31	7
1989.....	1.18	0.24	0.94	2.37	6
1988.....	1.22	0.26	0.92	2.40	6
1987.....	1.22	0.27	1.00	2.49	6
1986.....	1.22	0.27	0.95	2.43	6
1985.....	1.17	0.25	1.01	2.43	7
1984.....	1.18	0.23	1.06	2.48	7
1983.....	1.14	0.22	1.05	2.42	7
1982.....	1.12	0.21	1.04	2.37	8
1981.....	1.10	0.18	1.09	2.38	8
1980.....	1.07	0.19	1.09	2.35	8
1979.....	1.17	0.19	1.22	2.58	7
1978.....	1.14	0.19	1.26	2.59	7
1977.....	1.08	0.16	1.23	2.47	7
Hawaii					
2002.....	1.27	0.39	0.62	2.28	5
2001.....	1.30	0.38	0.60	2.28	5
2000.....	1.33	0.39	0.60	2.33	4
1999.....	1.31	0.39	0.56	2.26	5
1998.....	1.32	0.37	0.54	2.22	5
1997.....	1.37	0.37	0.56	2.30	4
1996.....	1.40	0.36	0.58	2.34	4
1995.....	1.41	0.34	0.57	2.32	4
1994.....	1.46	0.38	0.62	2.47	3
1993.....	1.49	0.37	0.65	2.51	3
1992.....	1.55	0.39	0.69	2.63	2
1991.....	1.57	0.40	0.70	2.67	2
1990.....	1.64	0.40	0.79	2.84	2
1989.....	1.54	0.43	0.79	2.76	3
1988.....	1.62	0.45	0.79	2.86	3
1987.....	1.57	0.40	0.76	2.73	4
1986.....	1.60	0.44	0.85	2.88	3
1985.....	1.59	0.41	0.88	2.88	3
1984.....	1.65	0.41	0.91	2.97	3
1983.....	1.87	0.44	1.12	3.43	1
1982.....	1.80	0.48	1.14	3.42	1
1981.....	1.74	0.44	1.16	3.34	2
1980.....	1.65	0.46	1.21	3.31	2
1979.....	1.60	0.44	1.28	3.32	3
1978.....	1.38	0.46	1.30	3.15	3
1977.....	1.61	0.36	1.26	3.23	2
Idaho					
2002.....	1.16	0.64	0.53	2.32	5
2001.....	1.14	0.63	0.53	2.30	5
2000.....	1.16	0.65	0.51	2.32	4
1999.....	1.17	0.68	0.52	2.36	4
1998.....	1.15	0.59	0.51	2.25	4
1997.....	1.14	0.36	0.50	2.00	7
1996.....	1.18	0.30	0.51	1.98	7
1995.....	1.15	0.30	0.53	1.98	7
1994.....	1.24	0.35	0.53	2.12	7
1993.....	1.26	0.29	0.55	2.11	7
1992.....	1.32	0.31	0.57	2.20	7
1991.....	1.31	0.32	0.56	2.19	7
1990.....	1.36	0.33	0.58	2.27	7
1989.....	1.23	0.30	0.56	2.09	8
1988.....	1.25	0.36	0.58	2.18	7
1987.....	1.31	0.38	0.58	2.26	7
1986.....	1.34	0.38	0.61	2.33	7
1985.....	1.35	0.36	0.71	2.42	7
1984.....	1.40	0.31	0.72	2.43	7
1983.....	1.44	0.30	0.76	2.51	7
1982.....	1.47	0.31	0.81	2.58	7
1981.....	1.54	0.33	0.83	2.70	6
1980.....	1.53	0.30	0.77	2.60	7
1979.....	1.55	0.27	0.84	2.65	6
1978.....	1.50	0.26	0.80	2.56	7

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1977	1.50	0.22	0.79	2.52	7
Illinois					
2002	1.27	0.33	0.65	2.25	5
2001	1.27	0.32	0.68	2.27	5
2000	1.28	0.32	0.63	2.24	6
1999	1.29	0.33	0.66	2.27	5
1998	1.28	0.34	0.64	2.25	4
1997	1.26	0.35	0.65	2.26	5
1996	1.27	0.35	0.68	2.30	4
1995	1.30	0.33	0.66	2.29	4
1994	1.32	0.34	0.69	2.35	4
1993	1.32	0.34	0.72	2.38	4
1992	1.34	0.35	0.74	2.43	4
1991	1.38	0.34	0.76	2.48	4
1990	1.43	0.36	0.82	2.62	4
1989	1.38	0.35	0.82	2.56	4
1988	1.42	0.37	0.85	2.64	4
1987	1.41	0.39	0.87	2.66	4
1986	1.40	0.39	0.90	2.68	4
1985	1.38	0.37	0.98	2.72	5
1984	1.40	0.37	1.01	2.77	5
1983	1.42	0.35	1.03	2.80	5
1982	1.41	0.35	1.06	2.83	5
1981	1.43	0.35	1.12	2.91	5
1980	1.43	0.33	1.24	3.00	4
1979	1.45	0.33	1.17	2.94	4
1978	1.38	0.31	1.19	2.88	4
1977	1.35	0.30	1.22	2.87	4
Indiana					
2002	1.13	0.20	0.60	1.93	9
2001	1.15	0.20	0.62	1.97	9
2000	1.16	0.21	0.61	1.98	8
1999	1.16	0.19	0.59	1.94	8
1998	1.14	0.19	0.58	1.91	8
1997	1.12	0.19	0.59	1.90	8
1996	1.13	0.19	0.57	1.89	8
1995	1.12	0.21	0.58	1.91	8
1994	1.15	0.20	0.59	1.94	8
1993	1.15	0.19	0.64	1.98	8
1992	1.16	0.20	0.58	1.95	9
1991	1.22	0.19	0.60	2.00	9
1990	1.26	0.20	0.63	2.09	8
1989	1.21	0.19	0.63	2.04	8
1988	1.23	0.21	0.66	2.10	8
1987	1.24	0.22	0.67	2.13	8
1986	1.25	0.23	0.67	2.14	8
1985	1.25	0.22	0.72	2.19	8
1984	1.26	0.21	0.72	2.19	8
1983	1.27	0.19	0.73	2.19	8
1982	1.29	0.18	0.76	2.23	8
1981	1.29	0.18	0.78	2.25	8
1980	1.26	0.17	0.77	2.21	8
1979	1.23	0.15	0.79	2.18	9
1978	1.19	0.16	0.79	2.14	8
1977	1.14	0.14	0.77	2.05	9
Iowa					
2002	1.37	0.14	0.51	2.02	8
2001	1.36	0.13	0.50	1.98	8
2000	1.35	0.13	0.50	1.98	8
1999	1.34	0.13	0.48	1.95	8
1998	1.31	0.12	0.46	1.90	8
1997	1.28	0.12	0.45	1.85	9
1996	1.28	0.12	0.45	1.85	9
1995	1.26	0.11	0.44	1.80	9
1994	1.30	0.10	0.44	1.84	9
1993	1.28	0.11	0.48	1.87	9
1992	1.31	0.13	0.46	1.90	9
1991	1.32	0.16	0.52	2.01	8
1990	1.34	0.18	0.54	2.06	9
1989	1.26	0.18	0.50	1.94	9

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1988.....	1.28	0.20	0.52	1.99	9
1987.....	1.30	0.21	0.57	2.08	9
1986.....	1.32	0.19	0.53	2.04	9
1985.....	1.31	0.14	0.57	2.02	9
1984.....	1.36	0.12	0.61	2.09	9
1983.....	1.38	0.13	0.64	2.15	8
1982.....	1.39	0.13	0.65	2.17	9
1981.....	1.44	0.13	0.69	2.27	8
1980.....	1.41	0.13	0.71	2.25	8
1979.....	1.40	0.11	0.71	2.22	8
1978.....	1.38	0.11	0.74	2.22	8
1977.....	1.33	0.10	0.74	2.17	8
Kansas					
2002.....	1.19	0.15	0.54	1.88	9
2001.....	1.12	0.15	0.53	1.79	9
2000.....	1.15	0.15	0.52	1.82	9
1999.....	1.14	0.16	0.54	1.84	9
1998.....	1.09	0.15	0.54	1.79	9
1997.....	1.09	0.14	0.48	1.71	10
1996.....	1.05	0.14	0.49	1.69	10
1995.....	1.08	0.15	0.50	1.72	9
1994.....	1.12	0.13	0.48	1.73	10
1993.....	1.09	0.14	0.52	1.75	10
1992.....	1.09	0.14	0.55	1.78	10
1991.....	1.15	0.14	0.57	1.85	9
1990.....	1.13	0.13	0.53	1.79	10
1989.....	1.10	0.13	0.54	1.77	10
1988.....	1.11	0.21	0.56	1.88	9
1987.....	1.12	0.16	0.56	1.84	9
1986.....	1.12	0.17	0.59	1.88	9
1985.....	1.17	0.15	0.64	1.96	9
1984.....	1.18	0.14	0.63	1.95	9
1983.....	1.20	0.13	0.64	1.96	9
1982.....	1.22	0.13	0.67	2.02	9
1981.....	1.23	0.12	0.70	2.05	9
1980.....	1.23	0.11	0.62	1.96	9
1979.....	1.17	0.11	0.73	2.01	9
1978.....	1.14	0.12	0.64	1.89	10
1977.....	1.13	0.10	0.65	1.88	10
Kentucky					
2002.....	1.08	0.14	0.54	1.76	10
2001.....	1.04	0.12	0.46	1.63	10
2000.....	1.07	0.14	0.54	1.74	10
1999.....	1.07	0.13	0.54	1.74	10
1998.....	1.07	0.13	0.53	1.72	10
1997.....	1.06	0.13	0.53	1.72	9
1996.....	1.05	0.13	0.54	1.72	10
1995.....	1.05	0.12	0.54	1.71	10
1994.....	1.08	0.11	0.55	1.73	10
1993.....	1.08	0.10	0.55	1.73	10
1992.....	1.04	0.11	0.56	1.71	10
1991.....	1.11	0.11	0.56	1.78	10
1990.....	1.12	0.11	0.60	1.83	10
1989.....	1.08	0.12	0.56	1.76	10
1988.....	1.08	0.12	0.59	1.79	10
1987.....	1.03	0.14	0.59	1.76	10
1986.....	1.09	0.13	0.62	1.84	10
1985.....	1.07	0.13	0.66	1.86	10
1984.....	1.05	0.12	0.68	1.85	10
1983.....	1.13	0.12	0.69	1.94	9
1982.....	1.14	0.12	0.73	1.99	9
1981.....	1.13	0.11	0.75	1.99	9
1980.....	1.08	0.10	0.74	1.91	10
1979.....	1.10	0.09	0.77	1.97	10
1978.....	1.07	0.09	0.77	1.93	10
1977.....	1.19	0.09	0.75	2.03	9
Louisiana					
2002.....	1.33	0.24	0.71	2.27	5
2001.....	1.49	0.23	0.69	2.41	3
2000.....	1.50	0.22	0.70	2.43	3

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1999	1.54	0.24	0.69	2.46	2
1998	1.50	0.23	0.70	2.43	3
1997	1.50	0.23	0.71	2.44	2
1996	1.50	0.22	0.72	2.44	2
1995	1.55	0.21	0.73	2.50	2
1994	1.45	0.21	0.73	2.39	3
1993	1.53	0.21	0.72	2.47	3
1992	1.55	0.22	0.74	2.51	3
1991	1.52	0.21	0.73	2.46	4
1990	1.53	0.23	0.78	2.54	5
1989	1.43	0.23	0.72	2.38	6
1988	1.44	0.24	0.69	2.37	7
1987	1.36	0.24	0.75	2.34	7
1986	1.39	0.26	0.78	2.42	7
1985	1.35	0.27	0.86	2.49	6
1984	1.40	0.29	0.94	2.63	6
1983	1.43	0.30	1.02	2.75	5
1982	1.49	0.30	1.00	2.78	5
1981	1.48	0.27	1.02	2.77	6
1980	1.41	0.27	1.04	2.71	6
1979	1.36	0.26	1.08	2.70	6
1978	1.35	0.25	1.07	2.67	6
1977	1.30	0.25	1.03	2.57	6
Maine					
2002	1.23	0.39	0.69	2.31	5
2001	1.20	0.37	0.69	2.26	5
2000	1.17	0.39	0.73	2.29	5
1999	1.16	0.37	0.73	2.26	5
1998	1.14	0.34	0.68	2.16	6
1997	1.15	0.33	0.71	2.19	5
1996	1.17	0.33	0.71	2.22	5
1995	1.17	0.29	0.72	2.19	6
1994	1.13	0.27	0.77	2.17	6
1993	1.15	0.29	0.79	2.22	6
1992	1.16	0.29	0.78	2.23	6
1991	1.18	0.30	0.77	2.25	6
1990	1.21	0.31	0.82	2.34	6
1989	1.25	0.34	0.85	2.44	5
1988	1.28	0.36	0.91	2.54	5
1987	1.26	0.38	0.91	2.55	5
1986	1.28	0.36	0.91	2.56	5
1985	1.29	0.33	0.94	2.56	6
1984	1.25	0.31	1.01	2.57	6
1983	1.32	0.29	1.03	2.63	6
1982	1.30	0.30	1.02	2.63	6
1981	1.24	0.28	1.05	2.57	7
1980	1.32	0.29	1.06	2.67	6
1979	1.30	0.27	1.08	2.65	6
1978	1.31	0.27	1.05	2.62	6
1977	1.37	0.23	1.04	2.64	6
Maryland					
2002	1.05	0.31	0.75	2.11	7
2001	1.06	0.30	0.75	2.11	7
2000	1.04	0.30	0.75	2.09	7
1999	1.04	0.30	0.74	2.08	7
1998	1.05	0.30	0.73	2.08	7
1997	1.05	0.29	0.73	2.07	7
1996	1.05	0.29	0.74	2.08	7
1995	1.06	0.28	0.74	2.09	7
1994	1.09	0.28	0.78	2.15	6
1993	1.10	0.28	0.80	2.19	7
1992	1.11	0.29	0.86	2.26	6
1991	1.15	0.30	0.89	2.33	6
1990	1.22	0.33	0.96	2.51	5
1989	1.22	0.34	0.98	2.54	4
1988	1.26	0.36	1.01	2.62	4
1987	1.29	0.38	1.07	2.74	3
1986	1.29	0.39	1.08	2.75	4
1985	1.31	0.36	1.14	2.81	4
1984	1.31	0.36	1.17	2.84	4

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.34	0.35	1.20	2.89	4
1982.....	1.27	0.32	1.17	2.77	5
1981.....	1.39	0.34	1.33	3.06	4
1980.....	1.42	0.33	1.35	3.09	4
1979.....	1.43	0.31	1.39	3.14	3
1978.....	1.41	0.31	1.38	3.09	3
1977.....	1.37	0.30	1.39	3.05	3
Massachusetts					
2002.....	1.13	0.54	0.80	2.46	3
2001.....	1.12	0.52	0.78	2.43	3
2000.....	1.16	0.51	0.87	2.55	2
1999.....	1.09	0.51	0.79	2.39	3
1998.....	1.14	0.50	0.75	2.39	3
1997.....	1.13	0.49	0.76	2.39	3
1996.....	1.11	0.48	0.77	2.35	3
1995.....	1.13	0.44	0.78	2.35	3
1994.....	1.14	0.44	0.80	2.38	3
1993.....	1.14	0.44	0.80	2.38	4
1992.....	1.12	0.44	0.82	2.38	5
1991.....	1.19	0.43	0.87	2.49	3
1990.....	1.22	0.45	0.97	2.63	3
1989.....	1.26	0.47	1.02	2.75	3
1988.....	1.29	0.50	1.07	2.86	3
1987.....	1.29	0.51	1.12	2.93	3
1986.....	1.31	0.53	1.12	2.96	3
1985.....	1.30	0.51	1.21	3.01	3
1984.....	1.30	0.51	1.24	3.04	3
1983.....	1.36	0.50	1.21	3.07	3
1982.....	1.35	0.49	1.22	3.07	3
1981.....	1.44	0.49	1.24	3.17	3
1980.....	1.47	0.45	1.27	3.19	3
1979.....	1.39	0.42	1.23	3.04	4
1978.....	1.37	0.40	1.25	3.02	4
1977.....	1.34	0.37	1.24	2.95	3
Michigan					
2002.....	1.16	0.23	0.68	2.07	7
2001.....	1.19	0.24	0.68	2.10	7
2000.....	1.19	0.24	0.69	2.12	7
1999.....	1.19	0.24	0.68	2.11	7
1998.....	1.20	0.22	0.69	2.12	7
1997.....	1.17	0.22	0.66	2.06	7
1996.....	1.20	0.22	0.67	2.08	7
1995.....	1.20	0.19	0.66	2.06	7
1994.....	1.23	0.20	0.67	2.10	7
1993.....	1.25	0.20	0.72	2.18	7
1992.....	1.26	0.22	0.74	2.21	7
1991.....	1.30	0.22	0.74	2.26	6
1990.....	1.33	0.28	0.80	2.42	6
1989.....	1.29	0.30	0.80	2.38	6
1988.....	1.31	0.32	0.84	2.47	6
1987.....	1.32	0.33	0.85	2.50	6
1986.....	1.33	0.33	0.90	2.56	5
1985.....	1.30	0.32	0.95	2.58	6
1984.....	1.32	0.31	0.97	2.60	6
1983.....	1.35	0.28	0.97	2.60	6
1982.....	1.35	0.39	0.98	2.72	6
1981.....	1.34	0.29	1.00	2.63	6
1980.....	1.34	0.28	1.03	2.65	6
1979.....	1.37	0.25	1.03	2.65	6
1978.....	1.43	0.25	1.05	2.74	5
1977.....	1.45	0.24	1.02	2.71	5
Minnesota					
2002.....	1.25	0.28	0.87	2.40	3
2001.....	1.25	0.26	0.87	2.38	4
2000.....	1.24	0.26	0.87	2.37	4
1999.....	1.23	0.27	0.86	2.36	4
1998.....	1.16	0.27	0.84	2.27	4
1997.....	1.23	0.27	0.83	2.33	3
1996.....	1.25	0.26	0.83	2.34	4
1995.....	1.24	0.26	0.83	2.32	3

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1994	1.27	0.25	0.83	2.35	4
1993	1.24	0.24	0.84	2.33	5
1992	1.25	0.25	0.85	2.35	5
1991	1.30	0.24	0.81	2.35	5
1990	1.32	0.27	0.96	2.55	4
1989	1.28	0.27	0.88	2.43	5
1988	1.30	0.30	0.89	2.49	5
1987	1.31	0.32	0.94	2.56	5
1986	1.30	0.33	0.92	2.56	6
1985	1.31	0.31	1.06	2.68	5
1984	1.34	0.28	1.07	2.68	5
1983	1.37	0.27	1.10	2.74	6
1982	1.36	0.27	1.11	2.75	6
1981	1.39	0.27	1.18	2.83	5
1980	1.40	0.26	1.20	2.85	5
1979	1.35	0.24	1.16	2.75	5
1978	1.31	0.23	1.15	2.69	5
1977	1.30	0.20	1.15	2.65	5
Mississippi					
2002	1.40	0.12	0.61	2.12	7
2001	1.39	0.11	0.60	2.11	7
2000	1.44	0.09	0.60	2.13	7
1999	1.45	0.10	0.61	2.15	7
1998	1.40	0.09	0.59	2.08	7
1997	1.37	0.09	0.61	2.07	7
1996	1.37	0.09	0.62	2.08	7
1995	1.36	0.09	0.61	2.06	7
1994	1.28	0.08	0.63	2.00	7
1993	1.37	0.10	0.63	2.11	7
1992	1.35	0.09	0.63	2.08	8
1991	1.32	0.09	0.64	2.05	8
1990	1.34	0.09	0.65	2.08	8
1989	1.26	0.09	0.65	2.00	9
1988	1.28	0.09	0.66	2.03	9
1987	1.26	0.09	0.66	2.01	9
1986	1.26	0.10	0.68	2.04	9
1985	1.21	0.10	0.73	2.04	9
1984	1.19	0.11	0.77	2.06	9
1983	1.19	0.11	0.79	2.09	9
1982	1.19	0.11	0.82	2.11	9
1981	1.19	0.11	0.84	2.14	9
1980	1.13	0.10	0.86	2.09	9
1979	1.15	0.10	0.84	2.09	9
1978	1.16	0.10	0.91	2.18	8
1977	1.08	0.11	0.86	2.05	8
Missouri					
2002	1.47	0.25	0.67	2.39	4
2001	1.34	0.23	0.67	2.25	6
2000	1.35	0.23	0.67	2.25	5
1999	1.35	0.23	0.66	2.23	6
1998	1.33	0.23	0.63	2.18	6
1997	1.30	0.22	0.63	2.15	6
1996	1.31	0.22	0.57	2.09	7
1995	1.31	0.20	0.62	2.14	6
1994	1.36	0.19	0.66	2.21	6
1993	1.33	0.20	0.67	2.20	6
1992	1.34	0.21	0.69	2.24	6
1991	1.35	0.22	0.64	2.20	7
1990	1.37	0.22	0.70	2.30	7
1989	1.33	0.22	0.69	2.24	7
1988	1.33	0.25	0.69	2.28	7
1987	1.36	0.27	0.72	2.35	7
1986	1.36	0.28	0.72	2.36	7
1985	1.33	0.26	0.76	2.36	7
1984	1.34	0.25	0.68	2.27	8
1983	1.37	0.22	0.78	2.37	8
1982	1.38	0.21	0.79	2.38	7
1981	1.40	0.21	0.83	2.45	7
1980	1.39	0.20	0.84	2.44	7
1979	1.37	0.20	0.86	2.43	7

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1978.....	1.31	0.20	0.89	2.40	7
1977.....	1.23	0.19	0.83	2.25	8
Montana					
2002.....	1.61	0.33	0.31	2.25	6
2001.....	1.57	0.30	0.68	2.55	2
2000.....	1.55	0.29	0.68	2.53	2
1999.....	1.56	0.29	0.67	2.52	2
1998.....	1.51	0.28	0.65	2.44	2
1997.....	1.49	0.29	0.63	2.42	3
1996.....	1.49	0.27	0.64	2.40	3
1995.....	1.49	0.26	0.78	2.54	2
1994.....	1.57	0.24	0.70	2.51	2
1993.....	1.49	0.25	0.73	2.47	3
1992.....	1.59	0.26	0.75	2.61	2
1991.....	1.61	0.28	0.76	2.64	3
1990.....	1.60	0.29	0.77	2.67	3
1989.....	1.56	0.29	0.72	2.57	4
1988.....	1.59	0.32	0.76	2.66	4
1987.....	1.57	0.33	0.77	2.67	4
1986.....	1.58	0.34	0.81	2.73	4
1985.....	1.60	0.33	0.88	2.81	4
1984.....	1.70	0.32	0.93	2.95	3
1983.....	1.79	0.32	0.99	3.09	3
1982.....	1.82	0.32	1.02	3.17	3
1981.....	1.90	0.33	1.05	3.28	3
1980.....	1.82	0.35	1.04	3.21	3
1979.....	1.83	0.41	1.05	3.29	3
1978.....	1.82	0.20	1.07	3.10	3
1977.....	1.83	0.20	1.10	3.12	3
Nebraska					
2002.....	1.45	0.17	0.61	2.23	6
2001.....	1.43	0.16	0.60	2.19	6
2000.....	1.44	0.17	0.62	2.23	6
1999.....	1.42	0.17	0.60	2.19	6
1998.....	1.39	0.18	0.58	2.16	6
1997.....	1.35	0.18	0.56	2.09	7
1996.....	1.35	0.18	0.57	2.11	6
1995.....	1.35	0.19	0.57	2.10	7
1994.....	1.39	0.18	0.57	2.14	7
1993.....	1.37	0.18	0.59	2.14	7
1992.....	1.37	0.18	0.61	2.16	7
1991.....	1.40	0.18	0.61	2.19	7
1990.....	1.41	0.20	0.64	2.25	7
1989.....	1.37	0.19	0.62	2.18	7
1988.....	1.37	0.22	0.65	2.23	7
1987.....	1.40	0.22	0.65	2.27	7
1986.....	1.38	0.23	0.67	2.28	7
1985.....	1.40	0.22	0.75	2.37	7
1984.....	1.44	0.20	0.76	2.41	7
1983.....	1.49	0.21	0.79	2.49	7
1982.....	1.50	0.28	0.58	2.37	7
1981.....	1.57	0.20	0.88	2.66	6
1980.....	1.56	0.19	0.89	2.64	6
1979.....	1.50	0.18	0.88	2.57	7
1978.....	1.47	0.18	0.89	2.54	7
1977.....	1.45	0.17	0.91	2.53	6
Nevada					
2002.....	1.75	0.61	1.24	3.60	1
2001.....	1.81	0.60	1.22	3.63	1
2000.....	1.79	0.62	1.26	3.67	1
1999.....	1.82	0.63	1.29	3.74	1
1998.....	1.80	0.58	1.23	3.62	1
1997.....	1.84	0.58	1.30	3.72	1
1996.....	1.91	0.59	1.39	3.89	1
1995.....	1.87	0.58	1.39	3.84	1
1994.....	1.93	0.57	1.51	4.00	1
1993.....	1.95	0.58	1.54	4.06	1
1992.....	2.02	0.62	1.61	4.25	1
1991.....	2.05	0.63	1.63	4.31	1
1990.....	2.17	0.69	1.92	4.78	1

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1989.....	2.18	0.73	1.92	4.83	1
1988.....	2.13	0.78	2.00	4.91	1
1987.....	2.05	0.84	2.09	4.99	1
1986.....	2.07	0.88	2.11	5.05	1
1985.....	1.96	0.84	2.18	4.99	1
1984.....	2.01	0.82	2.36	5.19	1
1983.....	1.98	0.79	2.45	5.22	1
1982.....	1.99	0.77	2.50	5.25	1
1981.....	2.08	0.80	2.71	5.59	1
1980.....	2.09	0.79	2.94	5.82	1
1979.....	2.28	0.88	3.28	6.44	1
1978.....	2.20	0.85	3.65	6.69	1
1977.....	2.15	0.83	3.85	6.84	1
New Hampshire					
2002.....	1.73	0.69	1.63	4.05	1
2001.....	1.74	0.65	1.61	4.00	1
2000.....	1.75	0.56	1.69	4.00	1
1999.....	1.75	0.56	1.70	4.01	1
1998.....	1.72	0.54	1.73	3.98	1
1997.....	1.73	0.55	1.76	4.04	1
1996.....	1.73	0.55	1.85	4.13	1
1995.....	1.74	0.51	1.87	4.12	1
1994.....	1.75	0.48	1.90	4.13	1
1993.....	1.83	0.54	2.01	4.38	1
1992.....	1.81	0.52	1.96	4.30	1
1991.....	1.85	0.49	1.96	4.30	1
1990.....	1.85	0.49	1.97	4.30	1
1989.....	1.87	0.50	1.99	4.37	1
1988.....	1.91	0.49	1.94	4.33	1
1987.....	1.93	0.50	1.98	4.41	1
1986.....	1.93	0.52	2.06	4.51	1
1985.....	1.99	0.53	2.21	4.73	1
1984.....	1.99	0.59	2.33	4.91	1
1983.....	2.17	0.56	2.35	5.08	1
1982.....	1.89	0.58	2.34	4.81	1
1981.....	1.89	0.59	2.44	4.92	1
1980.....	2.21	0.69	2.86	5.76	1
1979.....	1.98	0.62	2.61	5.20	1
1978.....	1.99	0.54	2.94	5.46	1
1977.....	1.89	0.50	2.93	5.32	1
New Jersey					
2002.....	0.98	0.49	0.77	2.24	6
2001.....	0.99	0.47	0.75	2.20	6
2000.....	0.96	0.47	0.77	2.19	6
1999.....	0.97	0.46	0.71	2.14	7
1998.....	0.98	0.46	0.69	2.12	7
1997.....	0.98	0.42	0.74	2.15	6
1996.....	1.00	0.44	0.76	2.20	6
1995.....	1.03	0.44	0.75	2.22	5
1994.....	1.04	0.43	0.79	2.27	5
1993.....	1.07	0.42	0.79	2.29	5
1992.....	1.07	0.44	0.83	2.34	5
1991.....	1.09	0.43	0.82	2.34	6
1990.....	1.15	0.48	0.95	2.58	4
1989.....	1.13	0.50	0.96	2.59	3
1988.....	1.15	0.51	0.93	2.58	4
1987.....	1.18	0.54	1.01	2.72	4
1986.....	1.18	0.56	1.03	2.77	4
1985.....	1.18	0.55	1.08	2.81	4
1984.....	1.19	0.55	1.10	2.83	4
1983.....	1.21	0.52	1.13	2.86	4
1982.....	1.22	0.52	1.13	2.87	4
1981.....	1.22	0.51	1.15	2.87	5
1980.....	1.23	0.47	1.13	2.83	5
1979.....	1.18	0.43	1.10	2.71	6
1978.....	1.17	0.42	1.10	2.69	6
1977.....	1.16	0.40	1.13	2.69	5
New Mexico					
2002.....	1.53	0.26	0.61	2.40	3
2001.....	1.54	0.25	0.61	2.39	3

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
2000	1.53	0.25	0.61	2.38	3
1999	1.53	0.25	0.59	2.36	4
1998	1.49	0.24	0.58	2.31	4
1997	1.51	0.24	0.58	2.33	3
1996	1.55	0.24	0.59	2.38	3
1995	1.56	0.24	0.60	2.40	3
1994	1.46	0.19	0.60	2.25	5
1993	1.53	0.23	0.63	2.39	3
1992	1.56	0.25	0.66	2.47	4
1991	1.64	0.26	0.64	2.54	3
1990	1.68	0.28	0.68	2.64	3
1989	1.64	0.29	0.65	2.58	4
1988	1.63	0.33	0.67	2.64	4
1987	1.63	0.35	0.67	2.65	4
1986	1.64	0.35	0.70	2.70	4
1985	1.70	0.36	0.77	2.83	4
1984	1.71	0.28	0.76	2.75	5
1983	1.72	0.31	0.98	3.00	4
1982	1.72	0.34	0.94	3.00	4
1981	1.74	0.32	0.95	3.01	4
1980	1.66	0.32	1.00	2.99	4
1979	1.71	0.30	1.01	3.02	4
1978	1.68	0.32	0.98	2.99	4
1977	1.65	0.32	0.96	2.93	4
New York					
2002	0.95	0.38	0.59	1.91	9
2001	0.96	0.37	0.56	1.88	9
2000	0.92	0.38	0.58	1.88	9
1999	0.93	0.37	0.56	1.85	9
1998	0.95	0.38	0.51	1.84	9
1997	0.94	0.37	0.57	1.87	8
1996	0.97	0.36	0.57	1.90	8
1995	0.98	0.38	0.57	1.93	8
1994	0.98	0.35	0.60	1.93	8
1993	1.00	0.35	0.62	1.98	8
1992	1.04	0.37	0.68	2.09	8
1991	1.09	0.37	0.69	2.14	7
1990	1.13	0.41	0.76	2.30	7
1989	1.12	0.42	0.82	2.36	7
1988	1.15	0.45	0.87	2.47	6
1987	1.15	0.48	0.90	2.53	5
1986	1.13	0.50	0.92	2.55	6
1985	1.14	0.49	0.98	2.62	5
1984	1.15	0.49	1.03	2.67	5
1983	1.23	0.49	1.05	2.77	5
1982	1.26	0.48	1.10	2.84	5
1981	1.25	0.46	1.12	2.83	5
1980	1.28	0.46	1.18	2.91	5
1979	1.21	0.44	1.17	2.82	5
1978	1.18	0.42	1.17	2.77	5
1977	1.18	0.38	1.17	2.74	5
North Carolina					
2002	1.25	0.27	0.50	2.02	8
2001	1.23	0.25	0.51	2.00	8
2000	1.19	0.23	0.52	1.94	8
1999	1.16	0.24	0.51	1.90	8
1998	1.13	0.23	0.50	1.87	8
1997	1.15	0.23	0.51	1.89	8
1996	1.14	0.24	0.52	1.90	8
1995	1.12	0.22	0.53	1.86	8
1994	1.14	0.21	0.54	1.89	8
1993	1.14	0.22	0.56	1.92	9
1992	1.14	0.23	0.59	1.96	8
1991	1.11	0.24	0.60	1.96	9
1990	1.16	0.27	0.65	2.08	9
1989	1.13	0.27	0.66	2.06	8
1988	1.12	0.28	0.68	2.09	8
1987	1.11	0.28	0.71	2.10	8
1986	1.12	0.30	0.74	2.15	8
1985	1.09	0.27	0.76	2.13	8

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1984	1.11	0.24	0.78	2.13	8
1983	1.10	0.22	0.80	2.12	9
1982	1.07	0.21	0.85	2.13	9
1981	1.10	0.21	0.86	2.17	9
1980	1.11	0.20	0.86	2.17	9
1979	1.08	0.22	0.88	2.18	8
1978	1.06	0.20	0.86	2.12	9
1977	1.01	0.20	0.84	2.05	8
North Dakota					
2002	1.51	0.16	0.84	2.51	2
2001	1.46	0.15	0.80	2.41	3
2000	1.47	0.15	0.79	2.40	3
1999	1.49	0.15	0.78	2.42	3
1998	1.45	0.13	0.76	2.35	3
1997	1.40	0.13	0.77	2.30	4
1996	1.40	0.13	0.77	2.29	4
1995	1.35	0.16	0.77	2.28	4
1994	1.39	0.15	0.78	2.32	4
1993	1.37	0.15	0.84	2.36	4
1992	1.38	0.15	0.85	2.39	5
1991	1.43	0.16	0.86	2.44	4
1990	1.47	0.17	0.93	2.56	4
1989	1.38	0.17	0.84	2.38	6
1988	1.38	0.19	0.86	2.43	6
1987	1.35	0.20	0.87	2.42	6
1986	1.32	0.22	0.86	2.40	7
1985	1.33	0.19	0.96	2.48	7
1984	1.40	0.17	0.98	2.55	6
1983	1.48	0.17	1.05	2.71	6
1982	1.52	0.18	1.09	2.79	5
1981	1.53	0.18	1.14	2.85	5
1980	1.53	0.17	1.14	2.83	5
1979	1.45	0.16	1.10	2.71	6
1978	1.45	0.16	1.15	2.76	5
1977	1.35	0.15	1.12	2.62	6
Ohio					
2002	1.34	0.21	0.47	2.02	8
2001	1.33	0.21	0.47	2.00	8
2000	1.30	0.19	0.50	1.99	8
1999	1.32	0.20	0.48	2.00	8
1998	1.31	0.19	0.47	1.97	8
1997	1.28	0.18	0.46	1.91	8
1996	1.30	0.18	0.45	1.93	8
1995	1.28	0.17	0.46	1.90	8
1994	1.31	0.16	0.37	1.85	9
1993	1.29	0.16	0.50	1.95	8
1992	1.32	0.17	0.50	1.98	8
1991	1.33	0.18	0.51	2.03	8
1990	1.34	0.22	0.53	2.09	8
1989	1.35	0.22	0.50	2.07	8
1988	1.34	0.24	0.54	2.11	8
1987	1.35	0.24	0.59	2.17	8
1986	1.32	0.25	0.60	2.17	8
1985	1.37	0.25	0.59	2.20	8
1984	1.41	0.25	0.61	2.26	8
1983	1.36	0.22	0.65	2.22	8
1982	1.40	0.22	0.66	2.28	8
1981	1.35	0.22	0.68	2.25	8
1980	1.39	0.22	0.72	2.33	8
1979	1.36	0.20	0.71	2.26	8
1978	1.19	0.20	0.70	2.09	9
1977	1.17	0.18	0.70	2.04	9
Oklahoma					
2002	1.11	0.13	0.58	1.82	10
2001	1.11	0.12	0.43	1.65	10
2000	1.13	0.12	0.44	1.69	10
1999	1.11	0.12	0.44	1.68	10
1998	1.12	0.12	0.43	1.68	10
1997	1.10	0.12	0.43	1.65	10
1996	1.09	0.12	0.45	1.66	10

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1995.....	1.10	0.12	0.44	1.66	10
1994.....	1.15	0.13	0.50	1.78	9
1993.....	1.11	0.11	0.48	1.70	10
1992.....	1.13	0.13	0.55	1.81	9
1991.....	1.09	0.13	0.54	1.76	10
1990.....	1.12	0.14	0.55	1.81	10
1989.....	1.05	0.13	0.53	1.70	10
1988.....	1.05	0.14	0.50	1.69	10
1987.....	1.04	0.15	0.57	1.76	10
1986.....	1.04	0.15	0.61	1.80	10
1985.....	1.04	0.15	0.68	1.87	10
1984.....	1.01	0.16	0.74	1.91	9
1983.....	1.05	0.16	0.77	1.98	9
1982.....	1.17	0.16	0.83	2.17	8
1981.....	1.14	0.16	0.83	2.13	9
1980.....	1.08	0.16	0.71	1.95	9
1979.....	1.05	0.13	0.80	1.98	9
1978.....	1.08	0.14	0.82	2.04	9
1977.....	1.07	0.14	0.78	1.98	9
Oregon					
2002.....	1.22	0.46	0.66	2.34	4
2001.....	1.22	0.43	0.65	2.30	5
2000.....	1.20	0.44	0.64	2.28	5
1999.....	1.21	0.43	0.63	2.27	5
1998.....	1.20	0.43	0.61	2.25	5
1997.....	1.19	0.44	0.60	2.24	5
1996.....	1.23	0.44	0.61	2.27	5
1995.....	1.21	0.42	0.59	2.23	5
1994.....	1.23	0.37	0.62	2.21	6
1993.....	1.24	0.43	0.64	2.31	5
1992.....	1.29	0.46	0.67	2.41	4
1991.....	1.28	0.44	0.67	2.38	5
1990.....	1.32	0.47	0.73	2.51	5
1989.....	1.26	0.46	0.69	2.41	6
1988.....	1.27	0.51	0.71	2.48	5
1987.....	1.26	0.53	0.72	2.50	6
1986.....	1.26	0.54	0.73	2.54	6
1985.....	1.25	0.55	0.77	2.57	6
1984.....	1.28	0.53	0.82	2.63	6
1983.....	1.31	0.53	0.85	2.69	6
1982.....	1.33	0.53	0.88	2.74	6
1981.....	1.38	0.50	0.92	2.80	6
1980.....	1.37	0.51	0.94	2.82	5
1979.....	1.39	0.47	0.96	2.82	5
1978.....	1.34	0.47	0.98	2.79	5
1977.....	1.33	0.46	0.96	2.74	5
Pennsylvania					
2002.....	1.35	0.22	0.49	2.06	8
2001.....	1.32	0.20	0.48	2.00	8
2000.....	1.21	0.21	0.47	1.90	9
1999.....	1.20	0.21	0.46	1.87	9
1998.....	1.21	0.19	0.45	1.86	9
1997.....	1.20	0.19	0.44	1.84	9
1996.....	1.22	0.19	0.45	1.86	9
1995.....	1.23	0.18	0.45	1.86	9
1994.....	1.28	0.18	0.47	1.93	8
1993.....	1.31	0.17	0.48	1.96	8
1992.....	1.30	0.18	0.51	1.99	8
1991.....	1.36	0.17	0.52	2.05	8
1990.....	1.42	0.18	0.55	2.15	8
1989.....	1.36	0.18	0.56	2.10	7
1988.....	1.39	0.19	0.53	2.11	8
1987.....	1.38	0.20	0.61	2.20	8
1986.....	1.38	0.21	0.64	2.23	8
1985.....	1.37	0.21	0.65	2.22	8
1984.....	1.37	0.21	0.66	2.25	8
1983.....	1.41	0.22	0.67	2.29	8
1982.....	1.44	0.23	0.70	2.36	8
1981.....	1.42	0.23	0.72	2.37	8
1980.....	1.45	0.22	0.71	2.39	7

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1979	1.42	0.22	0.73	2.37	8
1978	1.36	0.21	0.74	2.32	8
1977	1.35	0.20	0.74	2.29	8
Rhode Island					
2002	1.17	0.48	0.73	2.38	4
2001	1.19	0.46	0.70	2.35	4
2000	1.15	0.46	0.70	2.31	5
1999	1.14	0.45	0.69	2.28	4
1998	1.14	0.47	0.63	2.24	5
1997	1.22	0.44	0.64	2.30	4
1996	1.16	0.42	0.65	2.24	5
1995	1.19	0.38	0.60	2.17	6
1994	1.23	0.38	0.66	2.27	5
1993	1.22	0.36	0.69	2.27	6
1992	1.24	0.39	0.70	2.33	6
1991	1.33	0.37	0.71	2.41	4
1990	1.31	0.44	0.79	2.54	5
1989	1.37	0.46	0.87	2.69	3
1988	1.39	0.49	0.97	2.85	3
1987	1.40	0.51	0.94	2.85	3
1986	1.41	0.53	0.93	2.86	3
1985	1.40	0.51	1.03	2.94	3
1984	1.37	0.52	1.03	2.92	3
1983	1.48	0.50	1.06	3.04	3
1982	1.34	0.55	1.04	2.93	4
1981	1.36	0.52	1.04	2.92	4
1980	1.46	0.53	1.14	3.14	3
1979	1.46	0.50	1.11	3.07	3
1978	1.41	0.50	1.16	3.07	3
1977	1.39	0.43	1.12	2.93	4
South Carolina					
2002	1.47	0.22	0.67	2.36	4
2001	1.45	0.22	0.65	2.32	4
2000	1.45	0.22	0.70	2.37	4
1999	1.43	0.22	0.72	2.38	3
1998	1.42	0.21	0.72	2.35	3
1997	1.40	0.19	0.71	2.30	4
1996	1.39	0.21	0.71	2.31	4
1995	1.38	0.18	0.67	2.23	5
1994	1.38	0.17	0.74	2.29	4
1993	1.36	0.20	0.75	2.30	5
1992	1.34	0.20	0.79	2.33	5
1991	1.34	0.22	0.84	2.41	5
1990	1.44	0.25	0.92	2.61	4
1989	1.37	0.24	0.86	2.47	5
1988	1.37	0.26	0.89	2.51	5
1987	1.34	0.27	0.88	2.49	6
1986	1.30	0.27	0.92	2.50	6
1985	1.26	0.25	0.99	2.49	6
1984	1.26	0.24	1.00	2.50	7
1983	1.26	0.20	1.01	2.47	7
1982	1.24	0.20	1.00	2.44	7
1981	1.25	0.19	1.05	2.49	7
1980	1.22	0.18	1.06	2.46	7
1979	1.25	0.17	1.18	2.60	7
1978	1.20	0.17	1.21	2.59	7
1977	1.17	0.17	1.14	2.49	7
South Dakota					
2002	1.51	0.16	0.70	2.37	4
2001	1.46	0.15	0.71	2.31	4
2000	1.44	0.15	0.68	2.27	5
1999	1.43	0.14	0.70	2.27	5
1998	1.42	0.13	0.68	2.24	5
1997	1.36	0.13	0.69	2.18	6
1996	1.36	0.13	0.68	2.18	6
1995	1.34	0.12	0.73	2.20	6
1994	1.38	0.12	0.73	2.24	5
1993	1.35	0.12	0.73	2.20	6
1992	1.37	0.15	0.74	2.26	6
1991	1.37	0.15	0.76	2.27	6

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.36	0.18	0.80	2.34	6
1989.....	1.25	0.15	0.70	2.09	8
1988.....	1.21	0.16	0.76	2.13	8
1987.....	1.24	0.19	0.79	2.22	8
1986.....	1.22	0.19	0.81	2.23	8
1985.....	1.22	0.18	0.94	2.34	8
1984.....	1.27	0.17	0.89	2.33	7
1983.....	1.30	0.17	0.95	2.43	7
1982.....	1.29	0.18	0.98	2.45	7
1981.....	1.32	0.19	1.05	2.56	7
1980.....	1.30	0.18	1.07	2.56	7
1979.....	1.23	0.17	1.04	2.44	7
1978.....	1.19	0.17	1.05	2.42	7
1977.....	1.15	0.17	1.06	2.38	7
Tennessee					
2002.....	1.17	0.17	0.51	1.85	9
2001.....	1.13	0.16	0.50	1.79	9
2000.....	1.21	0.15	0.50	1.86	9
1999.....	1.21	0.15	0.49	1.86	9
1998.....	1.19	0.15	0.50	1.84	9
1997.....	1.16	0.16	0.50	1.82	9
1996.....	1.18	0.15	0.51	1.84	9
1995.....	1.18	0.15	0.52	1.84	9
1994.....	1.18	0.15	0.53	1.86	9
1993.....	1.20	0.14	0.54	1.87	9
1992.....	1.21	0.14	0.56	1.90	9
1991.....	1.19	0.13	0.54	1.87	9
1990.....	1.22	0.14	0.60	1.96	9
1989.....	1.18	0.14	0.59	1.90	9
1988.....	1.20	0.14	0.60	1.95	9
1987.....	1.17	0.15	0.62	1.94	9
1986.....	1.17	0.16	0.63	1.96	9
1985.....	1.11	0.16	0.67	1.94	9
1984.....	1.11	0.15	0.70	1.95	9
1983.....	1.10	0.14	0.69	1.93	10
1982.....	1.13	0.14	0.70	1.96	10
1981.....	1.14	0.13	0.72	1.98	10
1980.....	1.10	0.12	0.69	1.92	9
1979.....	1.14	0.11	0.73	1.98	9
1978.....	1.16	0.11	0.72	1.99	9
1977.....	1.10	0.10	0.71	1.91	10
Texas					
2002.....	1.50	0.22	0.50	2.21	6
2001.....	1.51	0.21	0.49	2.21	6
2000.....	1.53	0.22	0.50	2.25	6
1999.....	1.54	0.20	0.49	2.23	6
1998.....	1.53	0.23	0.49	2.25	5
1997.....	1.54	0.20	0.47	2.22	5
1996.....	1.56	0.22	0.49	2.26	5
1995.....	1.55	0.19	0.49	2.23	5
1994.....	1.60	0.20	0.51	2.31	4
1993.....	1.60	0.20	0.53	2.33	4
1992.....	1.65	0.24	0.55	2.45	4
1991.....	1.60	0.25	0.55	2.40	5
1990.....	1.64	0.26	0.58	2.47	6
1989.....	1.62	0.26	0.58	2.46	5
1988.....	1.61	0.28	0.59	2.47	6
1987.....	1.61	0.29	0.61	2.51	6
1986.....	1.67	0.31	0.65	2.63	5
1985.....	1.68	0.30	0.73	2.70	5
1984.....	1.74	0.28	0.79	2.82	4
1983.....	1.73	0.27	0.79	2.79	5
1982.....	1.83	0.18	0.84	2.85	4
1981.....	1.84	0.24	0.85	2.93	4
1980.....	1.77	0.22	0.81	2.80	6
1979.....	1.76	0.14	0.87	2.77	5
1978.....	1.70	0.14	0.84	2.68	6
1977.....	1.63	0.14	0.81	2.58	6
Utah					
2002.....	0.78	0.14	0.39	1.31	10

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
2001	0.76	0.14	0.39	1.29	10
2000	0.77	0.11	0.40	1.27	10
1999	0.79	0.10	0.38	1.27	10
1998	0.73	0.10	0.37	1.20	10
1997	0.76	0.10	0.39	1.25	10
1996	0.77	0.10	0.37	1.24	10
1995	0.75	0.09	0.37	1.21	10
1994	0.76	0.09	0.38	1.24	10
1993	0.78	0.11	0.39	1.28	10
1992	0.79	0.12	0.42	1.33	10
1991	0.80	0.12	0.43	1.34	10
1990	0.80	0.12	0.46	1.39	10
1989	0.82	0.13	0.47	1.42	10
1988	0.83	0.14	0.49	1.45	10
1987	0.84	0.15	0.50	1.49	10
1986	0.89	0.17	0.52	1.58	10
1985	0.90	0.15	0.53	1.58	10
1984	0.88	0.14	0.52	1.53	10
1983	0.88	0.14	0.50	1.52	10
1982	1.01	0.15	0.55	1.71	10
1981	1.01	0.15	0.58	1.74	10
1980	0.96	0.14	0.60	1.71	10
1979	0.97	0.16	0.62	1.75	10
1978	0.96	0.15	0.61	1.72	10
1977	0.97	0.14	0.59	1.70	10
Vermont					
2002	1.32	0.49	0.63	2.44	3
2001	1.29	0.47	0.63	2.39	4
2000	1.23	0.47	0.63	2.34	4
1999	1.23	0.47	0.62	2.32	4
1998	1.25	0.47	0.62	2.34	4
1997	1.23	0.46	0.63	2.33	4
1996	1.29	0.46	0.64	2.38	3
1995	1.27	0.41	0.66	2.34	3
1994	1.34	0.42	0.74	2.50	3
1993	1.34	0.44	0.74	2.52	2
1992	1.35	0.44	0.78	2.57	3
1991	1.41	0.46	0.82	2.69	2
1990	1.47	0.48	0.85	2.80	2
1989	1.45	0.51	0.88	2.84	2
1988	1.51	0.56	0.93	3.00	2
1987	1.56	0.58	0.98	3.11	1
1986	1.55	0.59	1.04	3.17	1
1985	1.49	0.55	1.09	3.13	2
1984	1.48	0.49	1.15	3.12	2
1983	1.52	0.50	1.19	3.21	2
1982	1.49	0.50	1.25	3.24	2
1981	1.49	0.50	1.33	3.32	2
1980	1.43	0.48	1.39	3.30	2
1979	1.57	0.47	1.50	3.54	1
1978	1.53	0.47	1.59	3.59	1
1977	1.42	0.44	1.58	3.44	1
Virginia					
2002	1.15	0.34	0.51	2.00	8
2001	1.15	0.32	0.50	1.98	8
2000	1.16	0.31	0.50	1.97	8
1999	1.18	0.32	0.47	1.96	8
1998	1.18	0.29	0.47	1.94	8
1997	1.13	0.29	0.48	1.90	8
1996	1.13	0.30	0.49	1.92	8
1995	1.15	0.29	0.49	1.93	8
1994	1.20	0.27	0.51	1.99	8
1993	1.24	0.27	0.54	2.05	8
1992	1.25	0.28	0.57	2.10	7
1991	1.20	0.28	0.58	2.06	8
1990	1.25	0.30	0.62	2.18	8
1989	1.23	0.31	0.65	2.19	7
1988	1.31	0.25	0.68	2.24	7
1987	1.40	0.26	0.71	2.36	7
1986	1.52	0.27	0.73	2.53	6
1985	1.46	0.30	0.79	2.55	6

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1984	1.46	0.29	0.80	2.55	6
1983	1.47	0.27	0.82	2.57	6
1982	1.45	0.27	0.86	2.59	6
1981	1.23	0.27	0.89	2.39	7
1980	1.23	0.25	0.91	2.39	7
1979	1.23	0.25	0.92	2.40	8
1978	1.22	0.21	0.90	2.33	8
1977	1.19	0.21	0.90	2.30	7
Washington					
2002	1.08	0.42	0.65	2.16	7
2001	1.08	0.40	0.65	2.13	7
2000	1.09	0.41	0.66	2.16	7
1999	1.10	0.40	0.63	2.13	7
1998	1.12	0.43	0.63	2.18	6
1997	1.11	0.42	0.63	2.16	6
1996	1.13	0.40	0.63	2.16	6
1995	1.14	0.40	0.63	2.17	6
1994	1.18	0.39	0.65	2.23	6
1993	1.19	0.39	0.69	2.27	5
1992	1.26	0.46	0.72	2.44	4
1991	1.23	0.43	0.73	2.39	5
1990	1.27	0.46	0.76	2.49	5
1989	1.24	0.47	0.75	2.45	5
1988	1.22	0.50	0.77	2.49	5
1987	1.23	0.56	0.79	2.58	5
1986	1.23	0.61	0.82	2.65	5
1985	1.22	0.59	0.87	2.68	5
1984	1.24	0.57	0.91	2.71	5
1983	1.29	0.54	0.94	2.76	5
1982	1.33	0.53	0.99	2.85	4
1981	1.38	0.54	1.05	2.97	4
1980	1.52	0.52	1.08	3.12	3
1979	1.41	0.48	1.10	2.99	4
1978	1.39	0.48	1.09	2.96	4
1977	1.36	0.45	1.08	2.89	4
West Virginia					
2002	1.26	0.10	0.38	1.74	10
2001	1.23	0.10	0.37	1.70	10
2000	1.18	0.10	0.35	1.64	10
1999	1.18	0.10	0.37	1.66	10
1998	1.17	0.10	0.36	1.63	10
1997	1.14	0.10	0.37	1.60	10
1996	1.14	0.10	0.37	1.61	10
1995	1.14	0.09	0.38	1.61	10
1994	1.17	0.08	0.39	1.64	10
1993	1.18	0.08	0.40	1.67	10
1992	1.16	0.09	0.41	1.66	10
1991	1.18	0.09	0.43	1.70	10
1990	1.20	0.10	0.42	1.72	10
1989	1.12	0.11	0.38	1.60	10
1988	1.12	0.12	0.40	1.64	10
1987	1.11	0.13	0.41	1.64	10
1986	1.10	0.13	0.41	1.64	10
1985	1.11	0.13	0.42	1.66	10
1984	1.12	0.12	0.44	1.68	10
1983	1.13	0.13	0.48	1.74	10
1982	1.11	0.14	0.55	1.80	10
1981	1.06	0.14	0.66	1.85	10
1980	1.00	0.09	0.72	1.82	10
1979	0.97	0.09	0.77	1.83	10
1978	0.96	0.09	0.79	1.84	10
1977	0.98	0.09	0.78	1.85	10
Wisconsin					
2002	1.56	0.28	0.98	2.81	2
2001	1.53	0.26	0.95	2.74	2
2000	1.54	0.27	0.95	2.76	1
1999	1.53	0.26	0.92	2.72	2
1998	1.61	0.26	0.79	2.65	2
1997	1.57	0.25	0.89	2.71	1
1996	1.53	0.24	0.88	2.65	1

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1995.....	1.55	0.23	0.87	2.65	1
1994.....	1.58	0.22	0.91	2.72	2
1993.....	1.59	0.22	0.89	2.71	1
1992.....	1.59	0.25	0.90	2.74	2
1991.....	1.65	0.27	0.84	2.76	1
1990.....	1.74	0.31	1.03	3.07	1
1989.....	1.71	0.31	0.95	2.96	1
1988.....	1.75	0.33	0.95	3.02	2
1987.....	1.78	0.36	0.97	3.11	2
1986.....	1.87	0.34	0.95	3.16	2
1985.....	1.82	0.32	1.05	3.19	1
1984.....	1.86	0.30	1.03	3.19	2
1983.....	1.93	0.33	1.07	3.33	2
1982.....	1.93	0.30	1.04	3.27	2
1981.....	1.95	0.31	1.20	3.47	1
1980.....	1.96	0.31	1.20	3.46	1
1979.....	1.88	0.28	1.17	3.33	3
1978.....	1.80	0.28	1.18	3.25	2
1977.....	1.78	0.27	1.26	3.31	2
Wyoming					
2002.....	1.46	0.22	0.88	2.56	2
2001.....	1.43	0.22	0.88	2.52	2
2000.....	1.42	0.18	0.86	2.46	3
1999.....	1.41	0.18	0.84	2.43	3
1998.....	1.38	0.20	0.81	2.40	3
1997.....	1.36	0.17	0.81	2.33	3
1996.....	1.37	0.16	0.81	2.34	3
1995.....	1.34	0.16	0.80	2.29	4
1994.....	1.42	0.18	0.83	2.43	3
1993.....	1.40	0.19	0.86	2.45	3
1992.....	1.44	0.20	0.91	2.56	3
1991.....	1.45	0.20	0.90	2.56	3
1990.....	1.48	0.22	0.93	2.63	3
1989.....	1.35	0.22	0.82	2.38	6
1988.....	1.39	0.23	0.83	2.46	6
1987.....	1.46	0.24	0.86	2.56	5
1986.....	1.46	0.26	0.92	2.64	5
1985.....	1.56	0.25	1.03	2.84	3
1984.....	1.58	0.22	1.05	2.86	4
1983.....	1.66	0.22	1.09	2.98	4
1982.....	1.80	0.24	1.21	3.25	2
1981.....	1.91	0.24	1.27	3.42	2
1980.....	1.85	0.24	1.32	3.42	2
1979.....	1.86	0.22	1.30	3.38	2
1978.....	1.82	0.22	1.36	3.41	2
1977.....	1.79	0.21	1.32	3.31	2
Northeast region					
2002.....	1.10	0.40	0.66	2.16	
2001.....	1.10	0.38	0.64	2.12	
2000.....	1.06	0.38	0.66	2.10	
1999.....	1.05	0.38	0.63	2.06	
1998.....	1.07	0.37	0.60	2.04	
1997.....	1.06	0.36	0.63	2.06	
1996.....	1.08	0.36	0.64	2.07	
1995.....	1.09	0.36	0.64	2.09	
1994.....	1.11	0.34	0.67	2.12	
1993.....	1.13	0.34	0.68	2.15	
1992.....	1.14	0.35	0.72	2.21	
1991.....	1.19	0.34	0.73	2.26	
1990.....	1.23	0.38	0.80	2.41	
1989.....	1.22	0.39	0.84	2.44	
1988.....	1.25	0.40	0.86	2.52	
1987.....	1.25	0.43	0.91	2.60	
1986.....	1.25	0.44	0.93	2.62	
1985.....	1.25	0.43	0.98	2.66	
1984.....	1.25	0.43	1.01	2.70	
1983.....	1.31	0.43	1.03	2.76	
1982.....	1.31	0.43	1.05	2.79	
1981.....	1.31	0.41	1.07	2.80	
1980.....	1.34	0.40	1.10	2.84	

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1979	1.30	0.38	1.09	2.77	
1978	1.26	0.36	1.10	2.73	
1977	1.25	0.34	1.10	2.69	
Midwest region					
2002	1.30	0.24	0.65	2.20	
2001	1.29	0.24	0.66	2.18	
2000	1.29	0.23	0.66	2.18	
1999	1.29	0.24	0.65	2.17	
1998	1.28	0.23	0.63	2.14	
1997	1.26	0.23	0.63	2.12	
1996	1.27	0.23	0.62	2.12	
1995	1.27	0.22	0.63	2.12	
1994	1.30	0.22	0.63	2.14	
1993	1.30	0.22	0.67	2.18	
1992	1.31	0.23	0.68	2.21	
1991	1.35	0.23	0.67	2.25	
1990	1.38	0.26	0.74	2.37	
1989	1.34	0.26	0.71	2.31	
1988	1.36	0.28	0.74	2.38	
1987	1.37	0.29	0.76	2.42	
1986	1.37	0.30	0.78	2.44	
1985	1.37	0.28	0.83	2.48	
1984	1.39	0.27	0.84	2.50	
1983	1.41	0.25	0.87	2.53	
1982	1.42	0.27	0.88	2.56	
1981	1.42	0.26	0.93	2.61	
1980	1.42	0.24	0.96	2.63	
1979	1.41	0.23	0.95	2.58	
1978	1.35	0.22	0.96	2.53	
1977	1.32	0.21	0.96	2.49	
South region					
2002	1.29	0.26	0.62	2.17	
2001	1.29	0.25	0.60	2.14	
2000	1.30	0.25	0.61	2.16	
1999	1.30	0.25	0.60	2.15	
1998	1.28	0.24	0.60	2.12	
1997	1.28	0.23	0.60	2.12	
1996	1.29	0.24	0.61	2.14	
1995	1.29	0.22	0.61	2.12	
1994	1.31	0.22	0.64	2.16	
1993	1.33	0.22	0.66	2.20	
1992	1.33	0.23	0.69	2.26	
1991	1.31	0.23	0.69	2.23	
1990	1.36	0.26	0.74	2.36	
1989	1.33	0.26	0.73	2.31	
1988	1.33	0.27	0.74	2.34	
1987	1.33	0.27	0.77	2.37	
1986	1.35	0.28	0.79	2.42	
1985	1.33	0.27	0.85	2.46	
1984	1.34	0.27	0.90	2.51	
1983	1.36	0.25	0.91	2.52	
1982	1.37	0.23	0.95	2.55	
1981	1.36	0.24	0.98	2.58	
1980	1.31	0.23	0.98	2.51	
1979	1.32	0.21	1.03	2.55	
1978	1.29	0.20	1.03	2.52	
1977	1.25	0.19	1.01	2.44	
West region					
2002	1.18	0.44	0.67	2.29	
2001	1.19	0.43	0.68	2.30	
2000	1.18	0.43	0.67	2.29	
1999	1.19	0.42	0.65	2.27	
1998	1.19	0.42	0.65	2.25	
1997	1.20	0.43	0.65	2.28	
1996	1.21	0.43	0.67	2.30	
1995	1.22	0.40	0.66	2.28	
1994	1.20	0.41	0.70	2.31	
1993	1.26	0.42	0.72	2.39	
1992	1.33	0.45	0.76	2.54	
1991	1.30	0.44	0.76	2.50	

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.

Table 3. Per capita ethanol consumption for States, census regions, and the United States, 1977–2002.
 [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.37	0.50	0.84	2.71	
1989.....	1.36	0.51	0.84	2.71	
1988.....	1.37	0.57	0.87	2.80	
1987.....	1.39	0.62	0.89	2.90	
1986.....	1.40	0.65	0.92	2.98	
1985.....	1.37	0.65	1.00	3.02	
1984.....	1.41	0.61	1.04	3.05	
1983.....	1.42	0.61	1.07	3.11	
1982.....	1.45	0.60	1.11	3.15	
1981.....	1.49	0.60	1.16	3.26	
1980.....	1.48	0.59	1.20	3.26	
1979.....	1.49	0.58	1.24	3.31	
1978.....	1.43	0.56	1.27	3.26	
1977.....	1.38	0.54	1.22	3.15	
U.S. total					
2002.....	1.23	0.33	0.65	2.20	
2001.....	1.23	0.31	0.64	2.18	
2000.....	1.22	0.31	0.65	2.18	
1999.....	1.23	0.31	0.63	2.16	
1998.....	1.22	0.30	0.62	2.14	
1997.....	1.22	0.30	0.62	2.14	
1996.....	1.23	0.30	0.63	2.16	
1995.....	1.23	0.29	0.63	2.15	
1994.....	1.25	0.28	0.65	2.18	
1993.....	1.26	0.28	0.68	2.23	
1992.....	1.29	0.30	0.71	2.30	
1991.....	1.29	0.30	0.71	2.30	
1990.....	1.34	0.33	0.77	2.45	
1989.....	1.31	0.34	0.77	2.42	
1988.....	1.33	0.36	0.79	2.48	
1987.....	1.34	0.38	0.82	2.54	
1986.....	1.34	0.39	0.84	2.58	
1985.....	1.33	0.38	0.90	2.62	
1984.....	1.35	0.37	0.94	2.65	
1983.....	1.37	0.36	0.96	2.69	
1982.....	1.38	0.36	0.98	2.72	
1981.....	1.39	0.35	1.02	2.76	
1980.....	1.38	0.34	1.04	2.76	
1979.....	1.37	0.32	1.06	2.75	
1978.....	1.33	0.31	1.07	2.71	
1977.....	1.29	0.29	1.06	2.64	

Decile values (1 = highest) apply only to State-level data. Numbers may not sum because of rounding.